Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identification
Product Code WF28N0001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210
Recommended Use Water color paints
and Restriction on Use WFC, WFCT28, WFR (BLACK)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards Carcinogenicity Category 2
Specific target organ toxicity (repeated exposure Category 2(lung)
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word Warning
Hazard Statements H351 Suspected of causing cancer
H373 May cause damage to lung through prolo or repeated exposure

Precautionary Statements
Prevention Wear protective gloves. (P280)
Precautionary Statements Response IF exposed or concerned: Get medical advic
Precautionary Statements attention. (P308+P313)
Disposal Get medical advice and attention if you feel unwell. (P314)
Precautionary Statements Dispose of contents and container in accord with local, regional and national regulatio
Specified). (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substances

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
</table>

(Further details and data provided in the document would be included here.)
<table>
<thead>
<tr>
<th></th>
<th>Impurities and/or Stabilizing Additives which Contribute to the</th>
</tr>
</thead>
<tbody>
<tr>
<td>carbon black</td>
<td>No information available</td>
</tr>
<tr>
<td>Glycerin</td>
<td>CH₂OHCH(OH)C H₂OH</td>
</tr>
</tbody>
</table>

### Section 4 - FIRST AID MEASURES

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. Get medical advice and attention if you feel unwell.

**Skin Contact**
Wash with soap and water. If skin irritation or rash occurs, get medical advice and attention. Get medical advice and attention if you feel unwell.

**Eye Contact**
When the ocular stimulation lasts, Seek medical treatment and advice. Rinse cautiously with water for several minutes. Rinse mouth. Get medical advice and attention if you feel unwell.

**Ingestion**
Get medical advice and attention if you feel unwell.

### Section 5 - FIRE FIGHTING MEASURES

**Extinguishing Media**
Dry chemicals, CO₂, water spray or regular foam.

**Protection of Fire Fighther**
In fire fighting, wear respiratory protection and chemical protective clothing.

### Section 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions,**
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

**Protective Equipment and Emergency Procedures**
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

**Environmental Precautions**
Allow material to solidify, and scrape up.

**Methods and Equipment for Containment and Cleaning up**
Vacuum or sweep up material and place in a disposal container.

### Section 7 - HANDLING AND STORAGE

**Handling **
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

**Technical Measures**
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

**Precautions for Safe Handling**
Wash hand thoroughly after handling.

**Do not contact, breathe or swallow.**
Prevents Handling of Imcompatible Substances or Mixtures

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection

Use personal respiratory equipment as required.

Hand Protection

Use personal gloves as required.

Eye Protection

Use personal eye protection as required.

Skin and Body Protection

Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State the others

Form paste

Colour black

Odour slight odor

Odour threshold No data available

pH No data available

Melting Point/Freezing Point No data available

Initial Boiling Point and Boiling Ranges No data available

Flash Point No data available

Evaporation Rate No data available

Flammability (solid, gas) No data available

Flammability or Explosive Limits

Lower Limit No data available

Upper Limit No data available

Vapour Pressure No data available

Vapour Density No data available

Specific Gravity (Density) No data available

Partition Coefficient : n-Octanol/Water No data available

Auto-Ignition No data available

Decomposition No data available

Temperature No data available

Viscosity No data available

Kinematic viscosity No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity No data available

Chemical stability No data available

Possibility of Hazardous Reaction No data available

Conditions to Avoid No data available

Imcompatible Substances or Mixtures No data available

Hazardous Decomposition Products No data available

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

No information available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

No data available
No data available
No data available

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

No data available

Section 14 – TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code
Regulatory Information by Air

Regulatory Information by Road or Rail
Regulatory Information by Sea

Not applicable
Not applicable
Not applicable
Not applicable

Not applicable
Not applicable
Not applicable
Not applicable

<table>
<thead>
<tr>
<th>Section 15 – REGULATORY INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 16 – OTHER INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Contact</td>
</tr>
<tr>
<td>Other Property</td>
</tr>
</tbody>
</table>

| Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code | Not applicable |
| Emergency Response Information by Air | Not applicable |

This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-08L
Product Code: WF08L0001F
Company Name: PENTEL CO., LTD.
Address: 7–2, KOAMICHI, NIHONBASHI, CHuo–KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210
Recommended Use: Water color paints
Use: WFC, WFCT08, WFR (BROWN)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards: Serious eye damage/eye irritation Category
Specific target organ toxicity (repeated exposure) Category 2 (respiratory system)
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements
Symbols

Signal Word: Danger
Hazard Statements: H318 Causes serious eye damage
H373 May cause damage to respiratory system through prolonged or repeated exposure

Precautionary Statements
Prevention: Wear eye protection and face protection. (P260)
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Get medical advice if you feel unwell. (P314)

Disposal: Dispose of contents and container in accord with local, regional and national regulations specified. (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
</table>


<table>
<thead>
<tr>
<th>Substance</th>
<th>Percentage</th>
<th>CAS Number</th>
<th>Status</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>iron oxide</td>
<td>7.6%</td>
<td>Fe₂O₃</td>
<td>(1)─357,(5)─5188</td>
<td>Existing</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>3.38%</td>
<td>SiO₂</td>
<td>(1)─548</td>
<td>Existing</td>
</tr>
<tr>
<td>Glycerin</td>
<td>7.3%</td>
<td>CH₂OHCH(OH)C₂H₂OH</td>
<td>(2)─242,(7)─338</td>
<td>Existing</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

**Section 4 – FIRST AID MEASURES**

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. Get medical advice and attention if you feel unwell.

**Skin Contact**
Wash with soap and water. If skin irritation or rash occurs, get medical advice and attention. Get medical advice and attention if you feel unwell.

**Eye Contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice and attention if you feel unwell.

**Ingestion**
Rinse mouth. Get medical advice and attention if you feel unwell.

**Section 5 – FIRE FIGHTING MEASURES**

**Extinguishing Media**
Dry chemicals, CO₂, fog, sand or regular foam. In fire fighting, wear respiratory protection and chemical protective clothing.

**Protection of Fire Figther**

**Section 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions,**
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

**Protective Equipment and Emergency Procedures**

**Environmental Precautions**
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

**Methods and Equipment for Containment and Cleaning up**
Vacuum or sweep up material and place in a disposal container.

**Section 7 – HANDLING AND STORAGE**

**Handling**
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

**Technical Measures**

**Precautions for Safe Handling**
Wash hand thoroughly after handling.

**Do not contact, breathe or swallow.**
Prevents Handling of Incompatible Substances or Mixtures
Specific Hygiene Measures
Wash hand thoroughly after handling.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Engineering Controls**
  - Good general ventilation should be sufficient to control airborne levels.

- **Personal Protective Equipment**
  - **Eye Protection**
    - Use personal eye protection as required.
  - **Skin and Body Protection**
    - Use personal protective clothing and face protection as required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical State</th>
<th>the others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>paste</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>brown</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Odour</th>
<th>Slight odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Ranges</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability or Explosive Limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lower Limit</th>
<th>Upper Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

| Vapour Pressure | No data available |
| Vapour Density | No data available |
| Specific Gravity (Density) | No data available |
| Partition Coefficient : n-Octanol/Water | No data available |
| Auto-Ignition | No data available |
| Decomposition | No data available |
| Temperature | No data available |
| Viscosity | No data available |
| Kinematic viscosity | No data available |

Section 10 - STABILITY AND REACTIVITY

| Reactivity | No data available |
| Chemical stability | No data available |
| Possibility of Hazardous Reaction | No data available |
| Conditions to Avoid | No data available |
| Incompatible Substances or Mixtures | No data available |
| Hazardous Decomposition Products | No data available |

Section 11 - TOXICOLOGICAL INFORMATION

| Acute Toxicity | No information available |
| Skin Corrosion/Irritation | No data available |
| **Serious eye damage/eye irritation** | No data available |
| **Respiratory or Skin Sensitization** | No data available |
| **Germ Cell Mutagenicity** | No data available |
| **Carcinogenicity** | No data available |
| **Reproductive Toxicity** | No data available |
| **Specific target organ toxicity (single exposure)** | No data available |
| **Specific target organ toxicity (repeated exposure)** | No data available |
| **Aspiration Hazard** | No data available |

**Section 12 – ECOLOGICAL INFORMATION**

| **Hazardous to the aquatic environment (acute)** | No data available |
| **Hazardous to the aquatic environment (long-term)** | No data available |
| **Hazardous to the ozone layer** | No data available |

**Section 13 – DISPOSAL CONSIDERATIONS**

| **Residual Waste** | Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly. |

| **Contaminated Container and Packaging** | |

**Section 14 – TRANSPORT INFORMATION**

| International Regulations | Regulatory Information by Sea | Not applicable |
| | Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code Regulatory Information by Air | Not applicable |
| | | Not applicable |
| Regulations in Japan | Regulatory Information by Road or Rail | Not applicable |
| | Regulatory Information by Sea Marine Pollutant | Not applicable |
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Not applicable

Regulatory Information by Air

Not applicable

Emergency Response

Not applicable

Guide Number

Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.

Other Property

No information available
Safety Data Sheet (SDS)

Preparation Date 2016/03/11

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-05F
Product Code: WF05F0001F
Company Name: PENTEL Co., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210
Use: WFC, WFCT05, WFR (CHROME YELLOW)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification: No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance: Mixture
Mixture or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No. ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>3.29%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>Existing</td>
<td>7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>8.27%</td>
<td>CH2OHCH</td>
<td>(2)-242. (7)-338</td>
<td>Existing</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives
Contribute to the

Section 4 - FIRST AID MEASURES
Inhalation: Remove person to fresh air and keep comfort. Call a doctor if you feel unwell.
Skin Contact: Call a doctor if you feel unwell. Wash with soap and water. If skin irritation or rash occurs, get medi and attention.
Eye Contact: When the ocular stimulation lasts, Seek med treatment and advice. Rinse cautiously with water for several min
Ingestion: Rinse mouth. Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media: Dry chemicals, CO2, fog, sand or regular fo
Protection of Fire Figther: In fire fighting, wear respiratory protecti chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and Equipment for Containment and Cleaning up

Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

**Section 7 – HANDLING AND STORAGE**

**Handling**

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling

Wash hand thoroughly after handling.

Avoid swallowing.

Prevents Handling of Incompatible Substances or Mixtures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures

Wash hand thoroughly after handling.

**Storage Precautionary Statements**

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

**Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

**Section 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

**Physical State**

the others

**Form**

paste

**Colour**

chrome yellow

**Odour**

slight odor

**Odour threshold**

No data available

**pH**

No data available

**Melting Point/Freezing Point**

No data available

**Initial Boiling Point and Boiling Ranges**

No data available

**Flash Point**

Not ignited

**Evaporation Rate**

No data available

**Flammability (solid, gas)**

No data available

**Flammability or Explosive Limits**

No data available

**Vapour Pressure**

No data available

**Vapour Density**

No data available

**Specific Gravity (Density)**

No data available

**Partition Coefficient : n- Octanol/Water**

No data available

**Auto-Ignition**

No data available

**Decomposition**

No data available

**Temperature**

No data available

**Viscosity**

No data available

**Kinematic viscosity**

No data available

**Section 10 – STABILITY AND REACTIVITY**

**Reactivity**

No data available
Chemical stability
Possibility of Hazardous Reaction
Conditions to Avoid
Imcompatible Substances or Mixtures
Hazardous Decomposition Products

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Not applicable
Not applicable
Not applicable
### Regulatory Information in Japan

- **Regulatory Information by Air:** Not applicable
- **Regulatory Information by Road or Rail:** Not applicable
- **Regulatory Information by Sea:** Not applicable

### Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code

- **Regulatory Information by Air:** Not applicable

### Emergency Response Guide Number

- **Emergency Response Guide Number:** Not applicable

#### Section 15 – REGULATORY INFORMATION

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

#### Section 16 – OTHER INFORMATION

<table>
<thead>
<tr>
<th>Information Contact</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Property</td>
<td>This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.</td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: WF-23M

<table>
<thead>
<tr>
<th>Product Code</th>
<th>WF23M0001F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Name</td>
<td>PENTEL CO., LTD.</td>
</tr>
<tr>
<td>Address</td>
<td>7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO</td>
</tr>
<tr>
<td>Company Contact</td>
<td>QUALITY ASSURANCE DEPARTMENT I</td>
</tr>
<tr>
<td>Phone Number</td>
<td>048-928-6668</td>
</tr>
<tr>
<td>Fax Number</td>
<td>048-928-9190</td>
</tr>
<tr>
<td>Mail Address</td>
<td><a href="mailto:hinpo@pentel.co.jp">hinpo@pentel.co.jp</a></td>
</tr>
<tr>
<td>Emergency Phone</td>
<td>03-5695-7210</td>
</tr>
</tbody>
</table>

Recommended Use: Water color paints

Use: WFC, WFCT23, WFR (BLUE)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Carcinogenicity Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other hazards</td>
<td>Not applicable or Classification not possible</td>
</tr>
</tbody>
</table>

GHS Label Elements

Symbols

Signal Word: Warning

Hazard Statements:
H351 Suspected of causing cancer

Precautionary Statements:
Prevention: Wear protective gloves. (P280)
Response: IF exposed or concerned: Get medical advice (P308+P313)
Disposal: Dispose of contents and container in accordance with local, regional and national regulations (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>1.84%</td>
<td>TiO2</td>
<td>(1)-558, (5)-5225</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Cyanine blue (C. I. Blue 15:3)</td>
<td>0.92%</td>
<td></td>
<td>(5)-3299, (5)-3300, (5)-5216</td>
<td>147-14-8</td>
</tr>
</tbody>
</table>
Glycerin

| 7.08% | CH₂OHCH(OH)C₂H₂OH(2) | 242,(7) | 338 | Existing | 56–81–5 |

Impurities and/or Stabilizing Additives which Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation
Remove person to fresh air and keep comfortable for breathing.
Get medical advice and attention if you feel unwell.

Skin Contact
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.

Eye Contact
When the ocular stimulation lasts, Seek medical treatment and advice.
Rinse cautiously with water for several minutes.
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Dry chemicals, CO₂, fog, sand or regular foam.

Protection of Fire Figther
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment
(Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Allow material to solidify, and scrape up.

Methods and Equipment for Containment and Cleaning up
Vacuum or sweep up material and place in a disposal container.

Section 7 - HANDLING AND STORAGE

Handling
Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hand thoroughly after handling.

Prevents Handling of Incompatible Substances or Mixtures
Do not contact, breathe or swallow.

Specific Hygiene Measures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Storage Precautionary Statements
Technical Measures
Refer to “Section 10 – STABILITY AND REACTIVITY”.
Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment:
- Respiratory Protection: Use personal respiratory equipment as required.
- Hand Protection: Use personal gloves as required.
- Eye Protection: Use personal eye protection as required.
- Skin and Body Protection: Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: the others
- Physical State: paste
- Form: slight odor
- Colour: blue
- Odour threshold: No data available
- pH: No data available
- Melting Point/Freezing Point: No data available
- Initial Boiling Point and Boiling Ranges: No data available
- Flash Point: No data available
- Evaporation Rate: No data available
- Flammability (solid, gas): No data available
- Flammability or Explosive Limits: No data available
- Lower Limit: No data available
- Upper Limit: No data available
- Vapour Pressure: No data available
- Vapour Density: No data available
- Specific Gravity (Density): No data available
- Partition Coefficient : n-Octanol/Water: No data available
- Auto-Ignition Temperature: No data available
- Decomposition Temperature: No data available
- Viscosity: No data available
- Kinematic viscosity: No data available

Section 10 – STABILITY AND REACTIVITY

- Reactivity: No data available
- Chemical stability: No data available
- Possibility of Hazardous Reaction: No data available
- Conditions to Avoid: No data available
- Incompatible Substances or Mixtures: No data available
- Hazardous Decomposition Products: No data available

Section 11 – TOXICOLOGICAL INFORMATION

- Acute Toxicity: No information available
- Skin Corrosion/Irritation: No data available
- Serious eye damage/eye irritation: No data available
- Respiratory or Skin Sensitization: No data available
- Germ Cell Mutagenicity: No data available
- Carcinogenicity: No data available
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

Section 14 – TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
Marine Pollutant
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Regulatory Information by Road or Rail
Regulatory Information by Sea
Marine Pollutant
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Emergency Response Guide Number

Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.
Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION

Information Contact
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.

Other Property
No information available
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: WF-22J

Product Code WF22J0001F
Company Name PENTEL CO., LTD.
Address 7-2. KOAMICHO, NIIHOMBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT 1
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210

Recommended Use: Water color paints
Use: WFC, WFCT22, WFR (DEEP GREEN)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification: No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance: Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. I. Pigment 5:3</td>
<td>2.29%</td>
<td></td>
<td>(5)-3299, (5)-3300, (5)-5216</td>
<td>147-14-8</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>2.19%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>8.27%</td>
<td>CH2OHCH (OH)C H2OH</td>
<td>(2)-242, (7)-338</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives: No information available
Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.

Skin Contact: Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical attention.

Eye Contact: When the ocular stimulation lasts, Seek medical treatment and advice.
Rinse cautiously with water for several minutes.
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media
Protection of Fire Fighter
Dry chemicals, CO2, fog, sand or regular foam.
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Methods and Equipment for Containment and Cleaning up
Allow material to solidify, and scrape up.
Vacuum or sweep up material and place in a disposal container.

Section 7 - HANDLING AND STORAGE
Handling
Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION”.
Precautions for Safe Handling
Wash hand thoroughly after handling.
Prevents Handling of Incompatible Substances or Mixtures
Avoid swallowing.
Specific Hygiene Measures
Wash hand thoroughly after handling.

Storage Precautionary Statements
Technical Measures
Refer to “Section 10 - STABILITY AND REACTIVITY”.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Physical State the others
Form paste
Colour deep green
Odour slight odor
Odour threshold No data available
pH No data available
Melting Point/Freezing Point
No data available
Initial Boiling Point and Boiling Ranges
No data available
Flash Point
No data available
Evaporation Rate No data available
Flammability (solid, gas)
No data available
Flammability or Explosive Limits
Lower Limit
No data available
Upper Limit
No data available
Vapour Pressure
No data available
Vapour Density No data available
Specific Gravity (Density)
No data available
Partition Coefficient : n-Octanol/Water
No data available
Auto-Ignition
No data available
Decomposition Temperature Viscosity Kinematic viscosity

Section 10 – STABILITY AND REACTIVITY
Reactivity Chemical stability Possibility of Hazardous Reaction Conditions to Avoid Imcompatible Substances or Mixtures Hazardous Decomposition Products

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity Skin Corrosion/Irritation Serious eye damage/eye irritation Respiratory or Skin Sensitization Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Aspiration Hazard

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute) Hazardous to the aquatic environment (long–term) Hazardous to the ozone layer

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste Contaminated Container and Packaging

Section 14 – TRANSPORT INFORMATION
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Information Contact</th>
<th>Other Property</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>REGULATORY INFORMATION</td>
<td>No information available</td>
<td>This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.</td>
</tr>
<tr>
<td>16</td>
<td>OTHER INFORMATION</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-73F
Product Code: WF73F0001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210
Number
Recommended Use: Water color paints
and Restriction on Use: WFC, WFCT73, WFR (EMERALD GREEN)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards: Serious eye damage/eye irritation Category 2
Carcinogenicity Category 2
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word: Warning
Hazard Statements: H320 Causes eye irritation
H351 Suspected of causing cancer
Precautionary Statements: Prevention
Wash eye thoroughly after handling. (P264)
Precautionary Statements: Wear protective gloves. (P280)
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
IF exposed or concerned: Get medical advice attention. (P308+P313)
IF eye irritation persists: Get medical advice attention. (P337+P313)
Disposal: Dispose of contents and container in accord
Precautionary Statements: with local, regional and national regulatio
specified). (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance or Mixture: Mixture
<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>11.92%</td>
<td>TiO₂</td>
<td>(1)–558,(5)–5225</td>
<td>Existing 13463–67–7</td>
</tr>
<tr>
<td>C. I. Pigment Green</td>
<td>1.69%</td>
<td></td>
<td>(5)–3315</td>
<td>Existing 1328–53–6</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>3.97%</td>
<td>SiO₂</td>
<td>(1)–548</td>
<td>Existing 7631–86–9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>6.44%</td>
<td>CH₂OHCH(OH)C₂H₂OH</td>
<td>(2)–242,(7)–338</td>
<td>Existing 56–81–5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

Section 4 – FIRST AID MEASURES

**Inhalation**
Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.

**Skin Contact**
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.

**Eye Contact**
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
When the ocular stimulation lasts, Seek medical treatment and advice.

**Ingestion**
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

**Extinguishing Media**
Dry chemicals, CO₂, fog, sand or regular foam.

**Protection of Fire Figther**
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions,**
Wear appropriate personal protective equipment
(Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

**Protective Equipment and Emergency Procedures**
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Allow material to solidify, and scrape up.

**Environmental Precautions**
Vacuum or sweep up material and place in a disposal container.

**Methods and Equipment for Containment and Cleaning up**

Section 7 – HANDLING AND STORAGE

**Handling**
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

**Technical Measures**
Wash hand thoroughly after handling.

**Precautions for Safe Handling**
Do not contact, breathe or swallow.
Prevents Handling of Incompatible Substances or Mixtures

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection

Use personal respiratory equipment as required.

Hand Protection

Use personal gloves as required.

Eye Protection

Use personal eye protection as required.

Skin and Body Protection

Use personal protective clothing and face protection as required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

the others

Form

paste

Colour

emerald green

Odour

slight odor

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

No data available

Lower Limit

No data available

Upper Limit

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition Temperature

No data available

Decomposition Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

No data available

Possibility of Hazardous Reaction

No data available

Conditions to Avoid

No data available

Imcompatible Substances or Mixtures

No data available

Hazardous Decomposition Products

No data available

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste
Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II, and the IBC code
Regulatory Information by Air

Regulations in Japan
Regulatory Information by Road or Rail
Regulatory Information by Sea
Marine Pollutant
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code
Regulatory Information by Air

Not applicable

Emergency Response
Guide Number

Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION

Information Contact
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use or reliance upon this information.

Other Property
Safety Data Sheet (SDS)

Preparation Date  2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Chemical Identifier</th>
<th>WF-26G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>WF26G0001F</td>
</tr>
<tr>
<td>Company Name</td>
<td>PENTEL CO., LTD.</td>
</tr>
<tr>
<td>Address</td>
<td>7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO</td>
</tr>
<tr>
<td>Company Contact</td>
<td>QUALITY ASSURANCE DEPARTMENT 1</td>
</tr>
<tr>
<td>Phone Number</td>
<td>048-928-6668</td>
</tr>
<tr>
<td>Fax Number</td>
<td>048-928-9190</td>
</tr>
<tr>
<td>Mail Address</td>
<td><a href="mailto:hinpo@pentel.co.jp">hinpo@pentel.co.jp</a></td>
</tr>
<tr>
<td>Emergency Phone</td>
<td>03-5695-7210</td>
</tr>
<tr>
<td>Number</td>
<td>Recommended Use</td>
</tr>
<tr>
<td></td>
<td>Water color paints</td>
</tr>
<tr>
<td></td>
<td>Use</td>
</tr>
<tr>
<td></td>
<td>WFC, WFCT26, WFR (GRAY)</td>
</tr>
</tbody>
</table>

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Health Hazards

- Serious eye damage/eye irritation Category 1
- Carcinogenicity Category 2
- Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

- Warning

Signal Word

- H320 Causes eye irritation
- H351 Suspected of causing cancer

Precautionary Statements

Prevention

- Wash eye thoroughly after handling. (P264)

Precautionary Statements

Wear protective gloves. (P280)

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

If eye irritation persists: Get medical attention. (P337+P313)

Disposal

Dispose of contents and container in accord with local, regional and national regulations specified). (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ENCS No.</td>
<td>ISHL No.</td>
</tr>
</tbody>
</table>

WF-266, PENTEL CO., LTD., 1, 2016/03/15, 1/5
<table>
<thead>
<tr>
<th>Chemical</th>
<th>Conc.</th>
<th>CAS No.</th>
<th>Status</th>
<th>UN No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>0.45%</td>
<td>(5)-3328,(5)-5222</td>
<td>Existing</td>
<td>1333-86-4</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>1.9%</td>
<td>SiO2 (1)-548</td>
<td>Existing</td>
<td>7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>8.23%</td>
<td>CH2OHCH(\text{OH})C\text{H2OH}\ (2)-242,(7)-338</td>
<td>Existing</td>
<td>56-81-5</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>36.18%</td>
<td>TiO2 (1)-558,(5)-5225</td>
<td>Existing</td>
<td>13463-67-7</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

Section 4 – FIRST AID MEASURES

Inhalation
Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.

Skin Contact
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.

Eye Contact
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media
Dry chemicals, CO2, water spray or regular foam.

Protection of Fire Figther
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Allow material to solidify, and scrape up.

Methods and Equipment for Containment and Cleaning up
Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE

Handling Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hand thoroughly after handling.
Do not contact, breathe or swallow.
Prevents Handling of Incompatible Substances or Mixtures

Specific Hygiene Measures

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Wash hand thoroughly after handling.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection

Use personal respiratory equipment as required.

Hand Protection

Use personal gloves as required.

Eye Protection

Use personal eye protection as required.

Skin and Body Protection

Use personal protective clothing and face protection as required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

the others

Form

paste

Colour

grey

Odour

slight odor

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

No data available

Lower Limit

No data available

Upper Limit

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition

No data available

Decomposition

No data available

Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

No data available

Possibility of Hazardous Reaction

No data available

Conditions to Avoid

No data available

Imcompatible Substances or Mixtures

No data available

Hazardous Decomposition Products

No data available

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity: No information available
Skin Corrosion/Irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration Hazard: No data available

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute): No data available
Hazardous to the aquatic environment (long-term): No data available
Hazardous to the ozone layer: No data available

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste: Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Contaminated Container and Packaging: Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea: Not applicable
Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code: Not applicable
Regulatory Information by Air: Not applicable
Regulations in Japan
Regulatory Information by Road or Rail: Not applicable
Regulatory Information by Sea: Not applicable
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code is not applicable.

Regulatory Information by Air is not applicable.

**Emergency Response**

**Guide Number**

---

**Section 15 – REGULATORY INFORMATION**

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

**Section 16 – OTHER INFORMATION**

- **Information Contact**
  - No information available
  - This information is furnished without warranty express or implied.
  - This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.

- **Other Property**
  - Not applicable
Safety Data Sheet (SDS)

Preparation Date 2016/03/11

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-01M
Product Code        WF01M0001F
Company Name        PENTEL CO., LTD.
Address             7-2, KOAMICHO, Nihonbashi, ChuO-KU, Tokyo
Company Contact     QUALITY ASSURANCE DEPARTMENT I
Phone Number        048-928-6668
Fax Number          048-928-9190
Mail Address        hinpo@pentel.co.jp
Emergency Phone     03-5695-7210
Recommended Use     Water color paints
Use
Use WFC, WFCT01, WFR (LEMON YELLOW)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards     Carcinogenicity Category 2
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word        Warning
Hazard Statements  H351 Suspected of causing cancer
Precautionary
Prevention Statements  Wear protective gloves. (P280)
Precautionary
Response Statements  IF exposed or concerned: Get medical advice
Disposal Statements  Dispose of contents and container in accord with local, regional and national regulations specified. (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Chemical Name or
Generic Name  Concentration or Ranges  Formula  ENCS No./ISHL No.  ENCS No.  ISHL No.  CAS RN
Titanium dioxide  1.35%  TiO2  (1)-558, (5)-5225  Existing  13463-67-7
Silicon dioxide  3.6%  SiO2  (1)-548  Existing  7631-86-9
Glycerin  13.4%  CH2OHCH (OH)C H2O2H  (2)-242, (7)-338  Existing  56-81-5
Impurities and/or Stabilizing Additives which Contribute to the

Section 4 – FIRST AID MEASURES
Inhalation
Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

Skin Contact
Call a doctor if you feel unwell. Wash with soap and water. If skin irritation or rash occurs, get medical advice and attention.

Eye Contact
When the ocular stimulation lasts, Seek medical treatment and advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion
Rinse mouth. Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES
Extinguishing Media
Dry chemicals, CO2, fog, sand or regular foam.

Protection of Fire Figther
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES
Person Precautions, Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

Methods and Equipment for Containment and Cleaning up
Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE
Handling Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hand thoroughly after handling.

Prevents Handling of Incompatible Substances or Mixtures
Do not contact, breathe or swallow. Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures
Wash hand thoroughly after handling.

Storage Precautionary Statements
Technical Measures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION
<table>
<thead>
<tr>
<th>Engineering Controls</th>
<th>Good general ventilation should be sufficient to control airborne levels.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Protective Equipment</td>
<td>Respiratory Protection Use personal respiratory equipment as required.</td>
</tr>
<tr>
<td></td>
<td>Hand Protection Use personal gloves as required.</td>
</tr>
<tr>
<td></td>
<td>Eye Protection Use personal eye protection as required.</td>
</tr>
<tr>
<td></td>
<td>Skin and Body Protection Use personal protective clothing and face protection as required.</td>
</tr>
</tbody>
</table>

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>the others</td>
</tr>
<tr>
<td>Physical State</td>
<td>paste</td>
</tr>
<tr>
<td>Form</td>
<td>lemon yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>slight odor</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Ranges</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability or Explosive Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity (Density)</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition Coefficient : n-Octanol/Water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-Ignition</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Section 10 - STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>No data available</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>No data available</td>
</tr>
<tr>
<td>Possibility of Hazardous Reaction</td>
<td>No data available</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>Imcompatible Substances or Mixtures</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Section 11 - TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>No information available</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory or Skin Sensitization</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration Hazard: No data available

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute): No data available
Hazardous to the aquatic environment (long-term): No data available
Hazardous to the ozone layer: No data available

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste: Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Contaminated Container and Packaging: Not applicable

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea: Not applicable
Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code: Not applicable
Regulatory Information by Air: Not applicable

Regulations in Japan
Regulatory Information by Road or Rail: Not applicable
Regulatory Information by Sea: Not applicable
Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code: Not applicable

Emergency Response Guide Number: Not applicable
Section 15 - REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 - OTHER INFORMATION
Information Contact
No information available
Other Property
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes leagal responsibility for use of or reliance upon this information.
Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: WF-311
Product Code: WF3110001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210

Recommended Use: Water color paints
Use: WFC, WFCT31, WFR (NAPLES YELLOW)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Health Hazards: Serious eye damage/eye irritation Category
Carcinogenicity Category 2
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word: Warning
Hazard Statements: H320 Causes eye irritation
H351 Suspected of causing cancer
Precautionary Statements:
Prevention: Wash eye thoroughly after handling. (P264)
Precautionary Statements:
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
IF exposed or concerned: Get medical advice/attention. (P308+P313)
IF eye irritation persists: Get medical advice/attention. (P337+P313)

Disposal: Dispose of contents and container in accord with local, regional and national regulation specified. (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture: Mixture
<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No. ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>24.25%</td>
<td>TiO₂</td>
<td>(1)−558,(5)−5225</td>
<td>Existing</td>
<td>13463−67−7</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>3.73%</td>
<td>SiO₂</td>
<td>(1)−548</td>
<td>Existing</td>
<td>7631−86−9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>6.58%</td>
<td>CH₂OHCH(OH)C H₂OH</td>
<td>(2)−242,(7)−338</td>
<td>Existing</td>
<td>56−81−5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

シリカ（Ordinance Number: 312）(3.73%)

**Section 4 – FIRST AID MEASURES**

**Inhalation**
Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice and attention.

**Skin Contact**
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.

**Eye Contact**
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
When the ocular stimulation lasts, Seek medical treatment and advice.

**Ingestion**
Rinse mouth.
Call a doctor if you feel unwell.

**Section 5 – FIRE FIGHTING MEASURES**

**Extinguishing Media**
Dry chemicals, CO₂, water spray or regular foam.

**Protection of Fire Figher**
In fire fighting, wear respiratory protection and chemical protective clothing.

**Section 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions,**
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

**Environmental Precautions**
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**Methods and Equipment for Containment and Cleaning up**
Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

**Section 7 – HANDLING AND STORAGE**

**Handling Technical Measures**
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hand thoroughly after handling.
Do not contact, breathe or swallow. Refer to “Section 10 – STABILITY AND REACTIVITY”.

Wash hand thoroughly after handling. Refer to “Section 10 – STABILITY AND REACTIVITY”.

Good general ventilation should be sufficient to control airborne levels.

Use personal respiratory equipment as required. Use personal gloves as required.

Use personal eye protection as required. Use personal protective clothing and face protection as required.

Do not contact, breathe or swallow.

Prevents Handling of Incompatible Substances or Mixtures

Wash hand thoroughly after handling.

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Good general ventilation should be sufficient to control airborne levels.

Use personal respiratory equipment as required. Use personal gloves as required.

Use personal eye protection as required. Use personal protective clothing and face protection as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.

Use personal protective clothing and face protection as required.

Use personal eye protection as required.

Use personal gloves as required.

Use personal respiratory equipment as required.
Section 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 - ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 - DISPOSAL CONSIDERATIONS

Residual Waste
Contaminated Container and Packaging

Section 14 - TRANSPORT INFORMATION

International Regulations
Regulatory Information by Sea
Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code
Regulatory Information by Air
Regulations in Japan
Regulatory Information by Road or Rail
Regulatory Information by Sea Marine Pollutant

Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Not applicable
| Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code Regulations Information by Air | Not applicable |
| Emergency Response Guide Number | Not applicable |

**Section 15 – REGULATORY INFORMATION**

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

**Section 16 – OTHER INFORMATION**

| Information Contact | No information available |
| Other Property | This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information. |
Safety Data Sheet (SDS)

Preparation Date: 2016/03/11

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identification

Product Code: WF03F0001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone Number: 03-5695-7210

Recommended Use: Water color paints
Use: WFC, WFCT03, WFR (ORANGE)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification: No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>11.93%</td>
<td>CH₂OHCH(OH)₂H₂O</td>
<td>Existing 56-81-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives: No information available
Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Skin Contact: Call a doctor if you feel unwell. Wash with soap and water. If skin irritation or rash occurs, get medical attention.
Eye Contact: When the ocular stimulation lasts. Seek medical treatment and advice. Rinse cautiously with water for several minutes. Rinse mouth. Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media: Small fires: Dry chemical, CO₂, water spray regular foam.
Protection of Fire Fighter: In fire fighting, wear respiratory protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and Equipment for Containment and Cleaning up
Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE
Handling
Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hand thoroughly after handling.

Do not contact, breathe or swallow.

Prevents Handling of Imcompatible Substances or Mixtures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures
Wash hand thoroughly after handling.

Storage Precautionary Statements
Technical Measures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Physical State
the others

Form
paste

Colour
orange

Odour
slight odor

Odour threshold
No data available

pH
No data available

Melting Point/Freezing Point
No data available

Initial Boiling Point and Boiling Ranges
No data available

Flash Point
No data available

Evaporation Rate
No data available

Flammability (solid, gas)
No data available

Flammability or Explosive Limits
No data available

Lower Limit
No data available

Upper Limit
No data available

Lower Limit
No data available

Upper Limit
No data available

Vapour Pressure
No data available

Vapour Density
No data available

Specific Gravity (Density)
No data available

Partition Coefficient : n-
No data available

Octanol/Water
No data available

Auto-Ignition
No data available

Decomposition
No data available

Temperature
No data available

Viscosity
No data available

Kinematic viscosity
No data available

Section 10 – STABILITY AND REACTIVITY
Reactivity
Chemical stability
Possibility of Hazardous Reaction
Conditions to Avoid
Imcompatible Substances or Mixtures
Hazardous Decomposition Products

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
Marine Pollutant
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Not applicable

Regulatory Information by Road or Rail
Not applicable

Regulatory Information by Sea
Not applicable

Marine Pollutant
Not applicable

Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Not applicable

Emergency Response Guide Number
Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/11

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-04G
Product Code: WF04G0001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210
Recommended Use: Water color paints
and Restriction on Use: WFC, WFCT04, WFR (PALE ORANGE)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards: Serious eye damage/eye irritation Category
Carcinogenicity Category 2
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word: Warning
Hazard Statements: H320 Causes eye irritation
H351 Suspected of causing cancer
Precautionary Statements:
Prevention: Wear protective gloves. (P280)
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Disposal: Dispose of contents and container in accord with local, regional and national regulations specified. (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substances or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>2.98%</td>
<td>SiO₂</td>
<td>(1)-548 Existing</td>
<td>7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>6.59%</td>
<td>CH₂OHCH₃(OH)₂H₂O</td>
<td>(2)-242.7-338 Existing</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>
Titanium dioxide 30.83% TiO2 (1)-558,(5)-5225 Existing 13463-67-7

<table>
<thead>
<tr>
<th>Impurities and/or Stabilizing Additives which Contribute to the</th>
</tr>
</thead>
<tbody>
<tr>
<td>No information available</td>
</tr>
</tbody>
</table>

Section 4 - FIRST AID MEASURES

Inhalation
Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.

Skin Contact
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.

Eye Contact
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Dry chemicals, CO2, fog, sand or regular foam.

Protection of Fire Figther
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and Equipment for Containment and Cleaning up
Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

Section 7 - HANDLING AND STORAGE

Handling Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hand thoroughly after handling.

Prevent Handling of Incompatible Substances or Mixtures
Do not contact, breathe or swallow.

Specific Hygiene Measures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Wash hand thoroughly after handling.
Storage Precautionary Statements  | Technical Measures  | Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls  | Respiratory Protection  | Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment  | Respiratory Protection  | Use personal respiratory equipment as required.

Hand Protection  | Eye Protection  | Use personal gloves as required.

Skin and Body Protection  | Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance  | Physical State  | the others

Form  | paste

Colour  | pale orange

Odour  | slight odor

Odour threshold  | No data available

pH  | No data available

Melting Point/Freezing Point  | No data available

Initial Boiling Point and Boiling Ranges  | No data available

Flash Point  | No data available

Evaporation Rate  | No data available

Flammability (solid, gas)  | No data available

Flammability or Explosive Limits  | No data available

Lower Limit  | No data available

Upper Limit  | No data available

Vapour Pressure  | No data available

Vapour Density  | No data available

Specific Gravity (Density)  | No data available

Partition Coefficient : n-Octanol/Water  | No data available

Auto-Ignition  | No data available

Decomposition  | No data available

Temperature  | No data available

Viscosity  | No data available

Kinematic viscosity  | No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity  | No data available

Chemical stability  | No data available

Possibility of Hazardous Reaction  | No data available

Conditions to Avoid  | No data available

Imcompatible Substances or Mixtures  | No data available

Hazardous Decomposition Products  | No data available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity  | No information available

Skin Corrosion/Irritation  | No data available

Serious eye damage/eye irritation  | No data available

Respiratory or Skin Sensitization  | No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration Hazard: No data available

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute): No data available
Hazardous to the aquatic environment (long-term): No data available
Hazardous to the ozone layer: No data available

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste
Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
- Marine Pollutant: Not applicable
- Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code: Not applicable
Regulatory Information by Air: Not applicable

Regulations in Japan
Regulatory Information by Road or Rail: Not applicable
Regulatory Information by Sea
- Marine Pollutant: Not applicable
- Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code: Not applicable
Regulatory Information by Air: Not applicable
Emergency Response  
Guide Number  
Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact  
No information available
Other Property  
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date  2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-24L
Product Code: WF24L0001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210
Number
Recommended Use: Water color paints
and Restriction on
Use: WFC, WFCT24, WFR (PRUSSIAN BLUE)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification: No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance: Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyanine blue (C. I. Blue 15:3)</td>
<td>3.85%</td>
<td>CH2OHCH3</td>
<td>Existing</td>
<td>147-14-8</td>
</tr>
<tr>
<td>Glycerin</td>
<td>9.3%</td>
<td>CH2OHCH(OH)C</td>
<td>(2)-242, (7)-338</td>
<td>56-81-5</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>2.17%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>7631-86-9</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives: No information available
Contribute to the

Section 4 - FIRST AID MEASURES
Inhalation: Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.

Skin Contact: Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical attention.

Eye Contact: When the ocular stimulation lasts, Seek medical treatment and advice.
Rinse cautiously with water for several minutes.

Ingestion: Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media: Dry chemicals, CO2, water spray or regular
Protection of Fire Fighter

In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES

Environmental Precautions

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

Methods and Equipment for Containment and Cleaning up

Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE

Handling Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling

Wash hand thoroughly after handling.

Avoid swallowing.

Prevents Handling of Incompatible Substances or Mixtures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>the others</td>
</tr>
<tr>
<td>Physical State</td>
<td>the others</td>
</tr>
<tr>
<td>Form</td>
<td>paste</td>
</tr>
<tr>
<td>Colour</td>
<td>prussian blue</td>
</tr>
<tr>
<td>Odour</td>
<td>slight odor</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point/Freezing</td>
<td>No data available</td>
</tr>
<tr>
<td>Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Ranges</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability or Explosive Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity (Density)</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition Coefficient : n-Octanol/Water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-Ignition</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### Section 10 – STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reactivity</td>
<td>No data available</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>No data available</td>
</tr>
<tr>
<td>Possibility of Hazardous Reaction</td>
<td>No data available</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>Imcompatible Substances or Mixtures</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### Section 11 – TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Effect</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>No information available</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory or Skin Sensitization</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>No data available</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### Section 12 – ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Impact</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous to the aquatic environment (acute)</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous to the aquatic environment (long-term)</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous to the ozone layer</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### Section 13 – DISPOSAL CONSIDERATIONS

<table>
<thead>
<tr>
<th>Waste Type</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual Waste</td>
<td>Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.</td>
</tr>
<tr>
<td>Contaminated Container and Packaging</td>
<td>Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.</td>
</tr>
</tbody>
</table>

### Section 14 – TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Regulatory Information by Sea</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Regulations</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Section 15 – REGULATORY INFORMATION</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Regulatory information with regard to this product</td>
<td></td>
</tr>
<tr>
<td>in your country or in your region should be examined</td>
<td></td>
</tr>
<tr>
<td>by your own responsibility.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 16 – OTHER INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Contact</td>
</tr>
<tr>
<td>No information available</td>
</tr>
<tr>
<td>Other Property</td>
</tr>
<tr>
<td>This information is furnished without warranty</td>
</tr>
<tr>
<td>express or implied.</td>
</tr>
<tr>
<td>This information is believed to be accurate to the</td>
</tr>
<tr>
<td>best knowledge of PENTEL Co., Ltd. but not</td>
</tr>
<tr>
<td>assumes legal responsibility for use of or reliance</td>
</tr>
<tr>
<td>upon this information.</td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Preparation Date  2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identification
Product Code  WF13I0001F
Company Name  PENTEL CO., LTD.
Address  7-2. KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact  QUALITY ASSURANCE DEPARTMENT I
Phone Number  048-928-6668
Fax Number  048-928-9190
Mail Address  hinpo@pentel.co.jp
Emergency Phone  03-5695-7210

Recommended Use  Water color paints and restriction on use: WFC, WFCT13, WFR (PURPLE)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification  No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ ISHL No. ENCS No.</th>
<th>ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>7.44%</td>
<td>CH2OHCH(OH)C</td>
<td>(2)-242. (7)-338</td>
<td>Existing</td>
<td>56-81-5</td>
<td></td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>1.83%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>Existing</td>
<td>7631-86-9</td>
<td></td>
</tr>
<tr>
<td>Cyanine blue (C. I. Blue 15:3)</td>
<td>0.28%</td>
<td>(5)-3299, (5)-3300, (5)-5216</td>
<td>Existing</td>
<td>147-14-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cyanine green (C. I. m ent Green)</td>
<td>0.07%</td>
<td>(5)-3315</td>
<td>Existing</td>
<td>1328-53-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives
Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation  Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.

Skin Contact  Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medi and attention.

Eye Contact  When the ocular stimulation lasts, Seek med treatment and advice.
Rinse cautiously with water for several min
Rinse mouth.
Call a doctor if you feel unwell.
Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media
Dry chemicals, CO2, fog, sand or regular foam.
Protection of Fire Fighter
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Methods and Equipment for Containment and Cleaning up
Allow material to solidify, and scrape up.
Vacuum or sweep up material and place in a disposal container.

Section 7 - HANDLING AND STORAGE
Handling
Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION".
Precautions for Safe Handling
Wash hand thoroughly after handling.
Prevents Handling of Incompatible Substances or Mixtures
Avoid swallowing.
Specific Hygiene Measures
Wash hand thoroughly after handling.
Storage Precautionary Statements
Technical Measures
Refer to "Section 10 - STABILITY AND REACTIVITY".

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Physical State
the others
Form
paste
Colour
purple

Odour
slight odor
Odour threshold
No data available
pH
No data available
Melting Point/Freezing Point
No data available
Initial Boiling Point and Boiling Ranges
No data available
Flash Point
No data available
Evaporation Rate
No data available
Flammability (solid, gas)
No data available
Flammability or Explosive Limits
Lower Limit
No data available
Upper Limit
No data available
Vapour Pressure
No data available
Vapour Density
No data available
Specific Gravity (Density)
No data available
Partition Coefficient : n-Octanol/Water
No data available
Auto-Ignition
No data available
Section 10 – STABILITY AND REACTIVITY
Reactivity No data available
Chemical stability No data available
Possibility of Hazardous Reaction No data available
Conditions to Avoid No data available
Imcompatible Substances or Mixtures No data available
Hazardous Decomposition Products No data available

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity No information available
Skin Corrosion/Irritation No data available
Serious eye damage/eye irritation No data available
Respiratory or Skin Sensitization No data available
Germ Cell Mutagenicity No data available
Carcinogenicity No data available
Reproductive Toxicity No data available
Specific target organ toxicity (single exposure) No data available
Specific target organ toxicity (repeated exposure) No data available
Aspiration Hazard No data available

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute) No data available
Hazardous to the aquatic environment (long-term) No data available
Hazardous to the ozone layer No data available

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION
<table>
<thead>
<tr>
<th>International Regulations</th>
<th>Regulatory Information by Sea</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Pollutant</td>
<td>Transport in bulk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>according to MARPOL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>73/78, Annex II, and the IBC code</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulations in Japan</td>
<td>Regulatory Information by Road or Rail</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Sea</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Marine Pollutant</td>
<td>Transport in bulk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>according to MARPOL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>73/78, Annex II, and the IBC code</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Emergency Response</td>
<td>Guide Number</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.

Other Property
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-11J
Product Code: WF11J0001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210

Recommended Use: Water color paints
Use: WFC, WFCT11, WFR (RED)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification: No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance or Mixture: Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>3.5%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>Existing 7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>10.04%</td>
<td>CH2OHCH (OH)C H2OH</td>
<td>(2)-242.7-338</td>
<td>Existing 56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives: No information available
Contribute to the

Section 4 - FIRST AID MEASURES
Inhalation: Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.
Skin Contact: Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medi and attention.
Eye Contact: When the ocular stimulation lasts. Seek med treatment and advice.
Rinse cautiously with water for several min
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media: Small fires: Dry chemical, CO2, sand, earth spray or regular foam.
Protection of Fire Figther: In fire fighting, wear respiratory protecti chemical protective clothing.
Section 6 - ACCIDENTAL RELEASE MEASURES

Environmental
Precautions

Methods and Equipment
for Containment and
Cleaning up

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up. Vacuum or sweep up material and place in a disposal container.

Section 7 - HANDLING AND STORAGE

Handling

Technical Measures

Precautions for Safe Handling

Wash hand thoroughly after handling. Avoid swallowing. Prevents Handling of Incompatible Substances or Mixtures

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State the others

Form paste

Colour red

Odour slight odor

Odour threshold No data available

pH No data available

Melting Point/Freezing Point No data available

Initial Boiling Point and Boiling Ranges No data available

Flash Point No data available

Evaporation Rate No data available

Flammability (solid, gas) No data available

Flammability or Explosive Lower Limit Limits No data available

Vapour Pressure No data available

Vapour Density No data available

Specific Gravity (Density) No data available

Partition Coefficient : n-Octanol/Water No data available

Auto-Ignition No data available

Decomposition No data available

Temperature No data available

Viscosity No data available

Kinematic viscosity No data available
### Section 10 – STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>No data available</td>
</tr>
<tr>
<td>Possibility of Hazardous Reaction</td>
<td>No data available</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>Imcompatible Substances or Mixtures</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### Section 11 – TOXICOLOGICAL INFORMATION

| Acute Toxicity                      | No information available |
| Skin Corrosion/Irritation           | No data available |
| Serious eye damage/eye irritation    | No data available |
| Respiratory or Skin Sensitization   | No data available |
| Germ Cell Mutagenicity              | No data available |
| Carcinogenicity                     | No data available |
| Reproductive Toxicity               | No data available |
| Specific target organ toxicity      | No data available |
| Specific target organ toxicity      | No data available |
| Aspiration Hazard                   | No data available |

### Section 12 – ECOLOGICAL INFORMATION

| Hazardous to the aquatic environment (acute) | No data available |
| Hazardous to the aquatic environment (long-term) | No data available |
| Hazardous to the ozone layer              | No data available |

### Section 13 – DISPOSAL CONSIDERATIONS

- **Residual Waste**
  - Disposal should be in accordance with applicable regulations and standards by the respective local governments.
  - Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
  - Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
  - Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
  - In case of disposal of empty containers, remove the content thoroughly.

### Section 14 – TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>International Regulations</th>
<th>Regulatory Information by Sea Marine Pollutant</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulations in Japan</td>
<td>Not applicable</td>
</tr>
<tr>
<td>---------------------------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Road or Rail</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Sea</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Emergency Response</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Section 15 – REGULATORY INFORMATION**

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

**Section 16 – OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Information Contact</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Property</td>
<td>This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes leagal responsibility for use of or reliance upon this information.</td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identification

Product Code WF41F0001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210

Recommended Use Water color paints
and Restriction on
Use WFC, WFCT41, WFR (RED PURPLE)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification
No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>2.87%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>7.62%</td>
<td>CH2OHCH</td>
<td>(2)-242, (7)-338</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives
No information available
Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.

Skin Contact Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medi and attention.

Eye Contact When the ocular stimulation lasts. Seek med treatment and advice.
Rinse cautiously with water for several min
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media Dry chemicals, CO2, water spray or regular
Protection of Fire Figther In fire fighting, wear respiratory protecti chemical protective clothing.
Section 6 - ACCIDENTAL RELEASE MEASURES

Environmental Precautions

Methods and Equipment for Containment and Cleaning up

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

Section 7 - HANDLING AND STORAGE

Handling

Technical Measures

Precautions for Safe Handling

Wash hand thoroughly after handling.

Avoid swallowing.

Prevents Handling of Imcompatible Substances or Mixtures

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 - STABILITY AND REACTIVITY”.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

the others

Form

paste

Colour

red purple

Odour

slight odor

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition

No data available

Decomposition

No data available

Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available
Section 10 – STABILITY AND REACTIVITY

Reactivity: No data available
Chemical stability: No data available
Possibility of Hazardous Reaction: No data available
Conditions to Avoid: No data available
Imcompatible Substances or Mixtures: No data available
Hazardous Decomposition Products: No data available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: No information available
Skin Corrosion/Irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration Hazard: No data available

Section 12 – ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute): No data available
Hazardous to the aquatic environment (long-term): No data available
Hazardous to the ozone layer: No data available

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste: Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

Contaminated Container and Packaging: Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION

International Regulations: Not applicable
Regulatory Information by Sea: Not applicable
Marine Pollutant: Not applicable
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Not applicable

Regulatory Information by Road or Rail
Not applicable

Regulatory Information by Sea
Not applicable

Regulatory Information by Marine Pollutant
Not applicable

Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
No information available
This information is furnished without warranty express or implied.

Other Property
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identification
Product Code WF6110001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHI, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210
Recommended Use Water color paints
Use WFC, WFCT61, WFR (SKY BLUE)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards Carcinogenicity Category 2
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements
Symbols

Signal Word Warning
Hazard Statements H351 Suspected of causing cancer
Precautionary Statements Prevention Wear protective gloves. (P280)
Precautionary Statements Response IF exposed or concerned: Get medical advic
Precautionary Statements Disposal Dispose of contents and container in accord
Precautionary Statements with local, regional and national regulatio

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No. ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>8.74%</td>
<td>TiO2</td>
<td>(1) - 558, (5) - 5225</td>
<td>Existing</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Cyanine blue (C. I. 15)</td>
<td>0.7%</td>
<td></td>
<td>(5) - 3299, (5) - 3300, (5) - 5216</td>
<td>Existing</td>
<td>147-14-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SiO₂</td>
<td>Existing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>-----</td>
<td>-------</td>
<td>----------</td>
<td>------------------</td>
<td>-----</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>3.06%</td>
<td>(1)–548</td>
<td>7631–86–9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerin</td>
<td>7.2%</td>
<td>CH₂OHCH</td>
<td>Existing</td>
<td>56–81–5</td>
<td></td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

**Section 4 – FIRST AID MEASURES**

**Inhalation**
Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.

**Skin Contact**
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.

**Eye Contact**
When the ocular stimulation lasts, Seek medical treatment and advice.
Rinse cautiously with water for several minutes.
When the ocular stimulation lasts, Seek medical treatment and advice.
Rinse mouth.

**Ingestion**
Call a doctor if you feel unwell.

**Section 5 – FIRE FIGHTING MEASURES**

**Extinguishing Media**
Dry chemicals, CO2, fog, sand or regular foam.

**Protection of Fire Figther**
In fire fighting, wear respiratory protection and chemical protective clothing.

**Section 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions,**
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

**Protective Equipment and Emergency Procedures**
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Allow material to solidify, and scrape up.

**Environmental Precautions**
Vacuum or sweep up material and place in a disposal container.

**Methods and Equipment for Containment and Cleaning up**

**Section 7 – HANDLING AND STORAGE**

**Handling**
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

**Technical Measures**
Wash hand thoroughly after handling.
Do not contact, breathe or swallow.

**Precautions for Safe Handling**
Refer to “Section 10 – STABILITY AND REACTIVITY”.

**Prevents Handling of Incompatible Substances or Mixtures**
Wash hand thoroughly after handling.

**Specific Hygiene Measures**

**Storage Precautionary Statements**
Refer to “Section 10 – STABILITY AND REACTIVITY”.

No information available.
Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment
Respiratory Protection
Use personal respiratory equipment as required.
Hand Protection
Eye Protection
Use personal gloves as required.
Skin and Body Protection
Use personal eye protection as required.
Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical State
the others
Form
paste
Colour
sky blue

Odour
slight odor
Odour threshold
No data available
pH
No data available
Melting Point/Freezing Point
No data available
Initial Boiling Point and Boiling Ranges
No data available
Flash Point
No data available
Evaporation Rate
No data available
Flammability (solid, gas)
No data available
Flammability or Explosive Limits
Lower Limit
No data available
Upper Limit
No data available
Vapour Pressure
No data available
Vapour Density
No data available
Specific Gravity (Density)
No data available
Partition Coefficient : n-Octanol/Water
No data available
Auto-Ignition
No data available
Decomposition
No data available
Temperature
No data available
Viscosity
No data available
Kinematic viscosity
No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity
No data available
Chemical stability
No data available
Possibility of Hazardous Reaction
No data available
Conditions to Avoid
No data available
Imcompatible Substances or Mixtures
No data available
Hazardous Decomposition Products
No data available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity
No information available
Skin Corrosion/Irritation
No data available
Serious eye damage/eye irritation
No data available
Respiratory or Skin Sensitization
No data available
Germ Cell Mutagenicity
No data available
Carcinogenicity
No data available
### Reproductive Toxicity
- Specific target organ toxicity (single exposure): No data available
- Specific target organ toxicity (repeated exposure): No data available
- Aspiration Hazard: No data available

### Section 12 - ECOLOGICAL INFORMATION
- Hazardous to the aquatic environment (acute): No data available
- Hazardous to the aquatic environment (long-term): No data available
- Hazardous to the ozone layer: No data available

### Section 13 - DISPOSAL CONSIDERATIONS
**Residual Waste**
Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

### Section 14 - TRANSPORT INFORMATION
**International Regulations**
- Regulatory Information by Sea
  - Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II,and the IBC code: Not applicable
- Regulatory Information by Air: Not applicable

**Regulations in Japan**
- Regulatory Information by Road or Rail: Not applicable
- Regulatory Information by Sea
  - Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II,and the IBC code: Not applicable
- Regulatory Information by Air: Not applicable

**Emergency Response Guide Number**
Not applicable
Section 15 – REGULATORY INFORMATION

Regulatory information with regard to this product in your country or in your region should be
examined by your own responsibility.

Section 16 – OTHER INFORMATION

Information Contact

No information available

Other Property

This information is furnished without warranty
express or implied.

This information is believed to be accurate to the
best knowledge of PENTEL Co., Ltd. but not
assumes leagal responsibility for use of or reliance
upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier WF-251
Product Code WF2510001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210
Recommended Use Water color paints
and Restriction on Use

WFC, WFCT25, WFR (ULTRAMARINE)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification
No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>2.47%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>Existing 7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>7.74%</td>
<td>CH2OHCH(OH)C H2OH</td>
<td>(2)- 242. (7)- 338</td>
<td>Existing 56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives 
No information available
Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation
Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.

Skin Contact
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medi and attention.

Eye Contact
When the ocular stimulation lasts, Seek med treatment and advice.
Rinse cautiously with water for several min
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Dry chemicals, CO2, water spray or regular

Protection of Fire Fighter
In fire fighting, wear respiratory protecti chemical protective clothing.
Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions
Methods and Equipment for Containment and Cleaning up
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.
Vacuum or sweep up material and place in a disposal container.

Section 7 - HANDLING AND STORAGE
Handling
Technical Measures
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.
Precautions for Safe Handling
Wash hand thoroughly after handling.
Avoid swallowing.
Prevents Handling of Incompatible Substances or Mixtures
Refer to “Section 10 – STABILITY AND REACTIVITY”.
Specific Hygiene Measures
Wash hand thoroughly after handling.

Storage Precautionary Statements
Technical Measures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Physical State
the others
Form
paste
Colour
ultramarine
Odour
slight odor
Odour threshold
No data available
pH
No data available
Melting Point/Freezing Point
No data available
Initial Boiling Point and Boiling Ranges
No data available
Flash Point
No data available
Evaporation Rate
No data available
Flammability (solid, gas)
No data available
Flammability or Explosive Limits
Lower Limit
No data available
Upper Limit
No data available
Vapour Pressure
No data available
Vapour Density
No data available
Specific Gravity (Density)
No data available
Partition Coefficient : n-Octanol/Water
No data available
Auto-Ignition
No data available
Decomposition
No data available
Temperature
No data available
Viscosity
No data available
Kinematic viscosity
No data available
Section 10 - STABILITY AND REACTIVITY
Reactivity No data available
Chemical stability No data available
Possibility of Hazardous Reaction No data available
Conditions to Avoid No data available
Imcompatible Substances or Mixtures No data available
Hazardous Decomposition Products No data available

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity No information available
Skin Corrosion/Irritation No data available
Serious eye damage/eye irritation No data available
Respiratory or Skin Sensitization No data available
Germ Cell Mutagenicity No data available
Carcinogenicity No data available
Reproductive Toxicity No data available
Specific target organ toxicity (single exposure) No data available
Specific target organ toxicity (repeated exposure) No data available
Aspiration Hazard No data available

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute) No data available
Hazardous to the aquatic environment (long-term) No data available
Hazardous to the ozone layer No data available

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste
Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

Contaminated Container and Packaging
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14 - TRANSPORT INFORMATION
International Regulations Regulatory Information by Sea Marine Pollutant Not applicable Not applicable
<table>
<thead>
<tr>
<th>Regulations in Japan</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Road or Rail</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Sea</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emergency Response</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide Number</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Section 15 – REGULATORY INFORMATION**
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

**Section 16 – OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Information Contact</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>This information is furnished without warranty express or implied.</td>
<td></td>
</tr>
<tr>
<td>This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.</td>
<td></td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identif?ef WF-09J
Product Code WF09J0001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210
Recommended Use Water color paints
Use WFC, WFCT09, WFR (VANDYKE BROWN)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance Mixture
or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./IHSL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>3.77%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>Existing 7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>8.7%</td>
<td>CH2OHCH (OH)C H2OH</td>
<td>(2)-242. (7)-338</td>
<td>Existing 56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives No information available
Contribute to the

Section 4 - FIRST AID MEASURES
Inhalation Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.
Skin Contact Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medi and attention.
Eye Contact When the ocular stimulation lasts, Seek med treatment and advice.
Rinse cautiously with water for several min
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media Small fires: Dry chemical, CO2, water spray regular foam.
Protection of Fire Figther In fire fighting, wear respiratory protecti chemical protective clothing.
Section 6 – ACCIDENTAL RELEASE MEASURES

Environmental Precautions

Methods and Equipment for Containment and Cleaning up

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE

Handling Technical Measures

Precautions for Safe Handling

Wash hand thoroughly after handling.

Avoid swallowing.

Prevents Handling of Incompatible Substances or Mixtures

Wash hand thoroughly after handling.

Specific Hygiene Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Storage Precautionary Statements Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

the others

Form

paste

Colour

vandyke brown

Odour

slight odor

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

Lower Limit

No data available

Upper Limit

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition

No data available

Decomposition

No data available

Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available
Section 10 – STABILITY AND REACTIVITY
Reactivity No data available
Chemical stability No data available
Possibility of Hazardous Reaction No data available
Conditions to Avoid No data available
Imcompatible Substances or Mixtures No data available
Hazardous Decomposition Products No data available

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity No information available
Skin Corrosion/Irritation No data available
Serious eye damage/eye irritation No data available
Respiratory or Skin Sensitization No data available
Germ Cell Mutagenicity No data available
Carcinogenicity No data available
Reproductive Toxicity No data available
Specific target organ toxicity (single exposure) No data available
Specific target organ toxicity (repeated exposure) No data available
Aspiration Hazard No data available

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute) No data available
Hazardous to the aquatic environment (long–term) No data available
Hazardous to the ozone layer No data available

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Contaminated Container and Packaging Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION
International Regulations Regulatory Information by Sea Marine Pollutant Not applicable
<table>
<thead>
<tr>
<th>Regulations in Japan</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Road or Rail</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Sea</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Marine Pollutant</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

| Emergency Response Guide Number             | Not applicable |

**Section 15 - REGULATORY INFORMATION**
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

**Section 16 - OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Information Contact</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Property</td>
<td>This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes leagal responsibility for use of or reliance upon this information.</td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identification
Product Code WF10N0001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHO, NIHOANBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hienp@pentel.co.jp
Emergency Phone 03-5695-7210
Recommended Use Water color paints
Use WFC, WFCT10, WFR (VERMILION)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substances or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No. ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>12.72%</td>
<td>CH₂OHCH₉(HOH)₂</td>
<td>242.7</td>
<td>Existing</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives
No information available
Contribute to the

Section 4 - FIRST AID MEASURES
Inhalation Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.

Skin Contact Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical attention.

Eye Contact When the ocular stimulation lasts, Seek medical treatment and advice.
Rinse cautiously with water for several minutes.
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media Dry chemicals, CO₂, fog, sand or regular foam
Protection of Firefighter In fire fighting, wear respiratory protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions

Methods and Equipment for Containment and Cleaning up

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling

Wash hand thoroughly after handling.

Avoid swallowing.

Prevents Handling of Incompatible Substances or Mixtures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

the others

Form

paste

Colour

vermilion

Odour

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

No data available

Lower Limit

No data available

Upper Limit

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition

No data available

Decomposition

No data available

Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available

Section 10 – STABILITY AND REACTIVITY

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Allow material to solidify, and scrape up.

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Wash hand thoroughly after handling.

Avoid swallowing.

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Good general ventilation should be sufficient to control airborne levels.

Odour

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

No data available

Lower Limit

No data available

Upper Limit

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition

No data available

Decomposition

No data available

Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available
Reactivity
Chemical stability
Possibility of Hazardous Reaction
Conditions to Avoid
Imcompatible Substances or Mixtures
Hazardous Decomposition Products

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

Section 14 – TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
Marine Pollutant

No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available

Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

Not applicable
Not applicable
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Not applicable

Regulatory Information by Road or Rail
Not applicable

Regulatory Information by Sea
Not applicable

Regulatory Information for Marine Pollutant
Not applicable

Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION

Information Contact
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: WF-180
Product Code: WF1800001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOMICHIO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210

Recommended Use: Water color paints and Restricton on Use: WFC, WFCT18, WFR (VIRIDIAN)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification: No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substances: Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>0.97%</td>
<td>Si02</td>
<td>(1)-548</td>
<td>Existing 7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>9.06%</td>
<td>CH2OHCH (OH)C H2OH</td>
<td>(2)-242, (7)-338</td>
<td>Existing 56-81-5</td>
</tr>
<tr>
<td>C. I. Pigment 5:3</td>
<td>2.9%</td>
<td></td>
<td>(5)-3315</td>
<td>Existing 1328-53-6</td>
</tr>
<tr>
<td>C. I. Pigment</td>
<td>1.35%</td>
<td></td>
<td>(5)-3299, (5)-3300, (5)-5216</td>
<td>Existing 147-14-8</td>
</tr>
<tr>
<td>Silica gel</td>
<td>0.48%</td>
<td></td>
<td>Unknown</td>
<td>Unknown 112926-00-8</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives: No information available

Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfort for breathing. Call a doctor if you feel unwell.

Skin Contact: Call a doctor if you feel unwell. Wash with soap and water. If skin irritation or rash occurs, get medi and attention.

Eye Contact: When the ocular stimulation lasts, Seek med treatment and advice. Rinse cautiously with water for several min Rinse mouth. Call a doctor if you feel unwell.
Section 5 – FIRE FIGHTING MEASURES
Extinguishing Media
Dry chemicals, CO2, water spray or regular foam.
Protection of Fire Figher
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES
Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Methods and Equipment for Containment and Cleaning up
Allow material to solidify, and scrape up.
Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE
Handling
Precautions for Safe Handling
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hand thoroughly after handling.

Avoid swallowing.

Prevents Handling of Imcompatible Substances or Mixtures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures
Wash hand thoroughly after handling.

Storage Precautionary Statements
Technical Measures
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Physical State
the others
Form
paste
Colour
viridian

Odour
slight odor
Odour threshold
No data available
pH
No data available
Melting Point/Freezing Point
No data available
Initial Boiling Point and Boiling Ranges
No data available
Flash Point
No data available
Evaporation Rate
No data available
Flammability (solid, gas)
No data available
Flammability or Explosive Limits
Lower Limit
No data available
Upper Limit
No data available
Vapour Pressure
No data available
Vapour Density
No data available
Specific Gravity (Density)
No data available
Partition Coefficient : n-Octanol/Water
No data available
Auto-Ignition
No data available
Decomposition Temperature Viscosity Kinematic viscosity

Section 10 – STABILITY AND REACTIVITY
Reactivity Chemical stability Possibility of Hazardous Reaction Conditions to Avoid Imcompatible Substances or Mixtures Hazardous Decomposition Products

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity Skin Corrosion/Irritation Serious eye damage/eye irritation Respiratory or Skin Sensitization Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Aspiration Hazard

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute) Hazardous to the aquatic environment (long–term) Hazardous to the ozone layer

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste Contaminated Container and Packaging

Section 14 – TRANSPORT INFORMATION
Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.
<table>
<thead>
<tr>
<th>Section 15 – REGULATORY INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory Information by Sea</td>
</tr>
<tr>
<td>Marine Pollutant Transport in bulk</td>
</tr>
<tr>
<td>according to MARPOL 73/78, Annex II,</td>
</tr>
<tr>
<td>and the IBC code</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
</tr>
<tr>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Regulations in Japan</strong></td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
</tr>
<tr>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Road or Rail</td>
</tr>
<tr>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Sea</td>
</tr>
<tr>
<td>Marine Pollutant Transport in bulk</td>
</tr>
<tr>
<td>according to MARPOL 73/78, Annex II,</td>
</tr>
<tr>
<td>and the IBC code</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
</tr>
<tr>
<td>Not applicable</td>
</tr>
<tr>
<td>Emergency Response Guide Number</td>
</tr>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Section 16 – OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Information Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>No information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Property</th>
</tr>
</thead>
<tbody>
<tr>
<td>This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.</td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier: WF-29K
Product Code: WF29K0001F
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Emergency Phone: 03-5695-7210

Recommended Use: Water color paints and Restriction on Use: WFC, WFCT29, WFR (WHITE)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards: Serious eye damage/eye irritation Category 2
Carcinogenicity Category 2
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word: Warning
Hazard Statements: H320 Causes eye irritation
H351 Suspected of causing cancer

Precautionary Statements
Prevention: Wash eye thoroughly after handling. (P264)

Precautionary Statements: Wear protective gloves. (P280)
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
IF exposed or concerned: Get medical advice attention. (P308+P313)
IF eye irritation persists: Get medical advice attention. (P337+P313)

Disposal: Dispose of contents and container in accord with local, regional and national regulations specified). (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture: Mixture
<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>7.67%</td>
<td>CH₂OHCH(OH)₂H₂OH</td>
<td>(2)–242, (7)–338, (24)–338</td>
<td>Existing 56–81–5</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>36.75%</td>
<td>TiO₂</td>
<td>(1)–558, (5)–5225</td>
<td>Existing 13463–67–7</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the No information available

Section 4 – FIRST AID MEASURES

Inhalation
Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.

Skin Contact
Call a doctor if you feel unwell.
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.

Eye Contact
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media
Dry chemicals, CO₂, water spray or regular foam.
In fire fighting, wear respiratory protection and chemical protective clothing.

Protection of Fire Figther

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Allow material to solidify, and scrape up.

Methods and Equipment for Containment and Cleaning up
Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE

Handling
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Technical Measures

Precautions for Safe Handling
Wash hand thoroughly after handling.
Do not contact, breathe or swallow.
Prevents Handling of Imcompatible Substances or Mixtures

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection

Use personal respiratory equipment as required.

Hand Protection

Use personal gloves as required.

Eye Protection

Use personal eye protection as required.

Skin and Body Protection

Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

the others

Form

paste

Colour

white

Odour

slight odor

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

Lower Limit

No data available

Upper Limit

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition

No data available

Decomposition

No data available

Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

No data available

Possibility of Hazardous Reaction

No data available

Conditions to Avoid

No data available

Imcompatible Substances or Mixtures

No data available

Hazardous Decomposition Products

No data available

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity: No information available
Skin Corrosion/Irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration Hazard: No data available

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute): No data available
Hazardous to the aquatic environment (long-term): No data available
Hazardous to the ozone layer: No data available

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste: Disposal should be in accordance with applicable regulations and standards by the respective local governments. Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Contaminated Container and Packaging: Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea: Not applicable
Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code: Not applicable
Regulatory Information by Air: Not applicable
Regulations in Japan
Regulatory Information by Road or Rail: Not applicable
Regulatory Information by Sea Marine Pollutant: Not applicable
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code
Regulatory Information by Air
Not applicable

Emergency Response
Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes leagal responsibility for use of or reliance upon this information.

Other Property
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: WF-12M

Product Code: WF12MO001F

Company Name: PENTEL CO., LTD.

Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO

Company Contact: QUALITY ASSURANCE DEPARTMENT I

Phone Number: 048-928-6668

Fax Number: 048-928-9190

Mail Address: hinpo@pentel.co.jp

Emergency Phone: 03-5695-7210

Recommended Use: Water color paints

Use: WFC, WFCT12, WFR (YELLOW)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification: No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No. ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>13.59%</td>
<td>CH2OHCH(OH)C H2O</td>
<td>(2)-242. (7)-338</td>
<td>Existing</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives: No information available

Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

Skin Contact: Call a doctor if you feel unwell. Wash with soap and water. If skin irritation or rash occurs, get medical attention.

Eye Contact: When the ocular stimulation lasts, seek medical treatment and advice. Rinse cautiously with water for several minutes. Rinse mouth. Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media: Small fires: Dry chemical, CO2, water spray regular foam.

Protection of Fire Fighther: In fire fighting, wear respiratory protective chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions

Methods and Equipment for Containment and Cleaning up

Section 7 – HANDLING AND STORAGE
Handling Technical Measures
Precautions for Safe Handling
Prevents Handling of Imcompatible Substances or Mixtures
Specific Hygiene Measures
Storage Precautionary Statements Technical Measures

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Controls

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Physical State
the others
Form
paste
Colour
yellow

Odour
Odour threshold
pH
Melting Point/Freezing Point
Initial Boiling Point and Boiling Ranges
Flash Point
Evaporation Rate
Flammability (solid, gas)
Flammability or Explosive Limits
Lower Limit
Upper Limit
Vapour Pressure
Vapour Density
Specific Gravity (Density)
Partition Coefficient : n-Octanol/Water
Auto-Ignition
Decomposition
Temperature
Viscosity
Kinematic viscosity

Section 10 – STABILITY AND REACTIVITY

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Wash hand thoroughly after handling.

Avoid swallowing.

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Good general ventilation should be sufficient to control airborne levels.

No data available
Reactivity
Chemical stability
Possibility of Hazardous Reaction
Conditions to Avoid
Imcompatible Substances or Mixtures
Hazardous Decomposition Products

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 – ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste
Contaminated Container and Packaging

Section 14 – TRANSPORT INFORMATION

International Regulations
Regulatory Information by Sea Marine Pollutant

No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available

Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Regulatory Information by Air
Regulatory Information by Road or Rail
Regulatory Information by Sea
Marine Pollutant
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code
Regulatory Information by Air

Regulations in Japan

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
Other Property

No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier WF-17M
Product Code WF17M0001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHI, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210
Recommended Use Water color paints
Use WFC, WFCT17, WFR (YELLOW GREEN)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards Carcinogenicity Category 2
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word Warning
Hazard Statements H351 Suspected of causing cancer
Precautionary Statements
Prevention Wear protective gloves. (P280)
Response IF exposed or concerned: Get medical advice attention. (P308+P313)
Disposal Dispose of contents and container in accord with local, regional and national regulations specified. (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No. / ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2.77%</td>
<td>TiO2</td>
<td>(1)-558, (5)-5225</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Cyanine green (C. I. M. T. G.)</td>
<td>0.26%</td>
<td>(5)-3315</td>
<td>Existing</td>
<td>1328-53-6</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>3.7%</td>
<td>SiO2</td>
<td>(1)-548 Existing</td>
<td>7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>7.36%</td>
<td>CH₂(OH)C₂(2)-242,(7)H₂O(3)-338</td>
<td>Existing</td>
<td>56-81-5</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>-------------------------------</td>
<td>---------</td>
<td>---------</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

<table>
<thead>
<tr>
<th>Section 4 – FIRST AID MEASURES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Skin Contact</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Eye Contact</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 5 – FIRE FIGHTING MEASURES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Extinguishing Media</strong></td>
</tr>
<tr>
<td><strong>Protection of Fire Figther</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 6 – ACCIDENTAL RELEASE MEASURES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal Precautions,</strong></td>
</tr>
<tr>
<td><strong>Protective Equipment and Emergency Procedures</strong></td>
</tr>
<tr>
<td><strong>Environmental Precautions</strong></td>
</tr>
<tr>
<td><strong>Methods and Equipment for Containment and Cleaning up</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 7 – HANDLING AND STORAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Handling</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Prevents Handling of Incompatible Substances or Mixtures</strong></td>
</tr>
<tr>
<td><strong>Specific Hygiene Measures</strong></td>
</tr>
<tr>
<td><strong>Storage Precautionary Statements</strong></td>
</tr>
</tbody>
</table>
Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection
Use personal respiratory equipment as required.

Hand Protection
Use personal gloves as required.

Eye Protection
Use personal eye protection as required.

Skin and Body Protection
Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State
the others

Form
paste

Colour
yellow green

Odour
slight odor

Odour threshold
No data available

pH
No data available

Melting Point/Freezing Point
No data available

Initial Boiling Point and Boiling Ranges
No data available

Flash Point
No data available

Evaporation Rate
No data available

Flammability (solid, gas)
No data available

Flammability or Explosive Limits
No data available

Lower Limit
No data available

Upper Limit
No data available

Vapour Pressure
No data available

Vapour Density
No data available

Specific Gravity (Density)
No data available

Partition Coefficient : n-Octanol/Water
No data available

Auto-Ignition
No data available

 Decomposition
No data available

Temperature
No data available

Viscosity
No data available

Kinematic viscosity
No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
No data available

Possibility of Hazardous Reaction
No data available

Conditions to Avoid
No data available

Imcompatible Substances or Mixtures
No data available

Hazardous Decomposition Products
No data available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity
No information available

Skin Corrosion/Irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or Skin Sensitization
No data available

Germ Cell Mutagenicity
No data available

Carcinogenicity
No data available

Reproductive Toxicity
No data available
Specific target organ toxicity (single exposure) No data available
Specific target organ toxicity (repeated exposure) No data available
Aspiration Hazard No data available

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute) No data available
Hazardous to the aquatic environment (long-term) No data available
Hazardous to the ozone layer No data available

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

Contaminated Container and Packaging Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION
International Regulations Regulatory Information by Sea Not applicable
Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code Not applicable
Regulatory Information by Air Not applicable

Regulations in Japan Regulatory Information by Road or Rail Not applicable
Regulatory Information by Sea Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code Not applicable

Emergency Response Guide Number Not applicable
Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
Other Property
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identify WF-06J
Product Code WF06J0001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hynpo@pentel.co.jp
Emergency Phone 03-5695-7210
Recommended Use Water color paints
and Restriction on Use WFC, WFCT06, WFR (YELLOW ORCHE)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>2.99%</td>
<td>SiO2</td>
<td>(1)-548</td>
<td>Existing 7631-86-9</td>
</tr>
<tr>
<td>Glycerin</td>
<td>7.32%</td>
<td>CH2OHCH</td>
<td>(2)-242,(7)-338</td>
<td>Existing 56-81-5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives \nContribute to the

Section 4 - FIRST AID MEASURES
Inhalation Remove person to fresh air and keep comfort for breathing.
Call a doctor if you feel unwell.

Skin Contact Call a doctor if you feel unwell.
Wash with soap and water.

Eye Contact When the ocular stimulation lasts, Seek med treatment and advice.
Rinse cautiously with water for several min
Rinse mouth.
Call a doctor if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media Dry chemicals, CO2, water spray or regular
Protection of Fire Fighther In fire fighting, wear respiratory protecti chemical protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES
Environmental Precautions

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and Equipment for Containment and Cleaning up

Allow material to solidify, and scrape up.

Vacuum or sweep up material and place in a disposal container.

Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling

Wash hand thoroughly after handling.

Avoid swallowing.

Avoid contact with skin.

Prevents Handling of Imcompatible Substances or Mixtures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: the others

Form: paste

Colour: yellow ochre

Odour

Odour threshold: No data available

pH: No data available

Melting Point/Freezing Point: No data available

Initial Boiling Point and Boiling Ranges: No data available

Flash Point: No data available

Evaporation Rate: No data available

Flammability (solid, gas): No data available

Flammability or Explosive Limits: Lower Limit No data available

Vapour Pressure: No data available

Vapour Density: No data available

Specific Gravity (Density): No data available

Partition Coefficient : n-Octanol/Water: No data available

Auto-Ignition: No data available

Decomposition: No data available

Temperature: No data available

Viscosity: No data available

Kinematic viscosity: No data available
Section 10 – STABILITY AND REACTIVITY
Reactivity No data available
Chemical stability No data available
Possibility of Hazardous Reaction No data available
Conditions to Avoid No data available
Imcompatible Substances or Mixtures No data available
Hazardous Decomposition Products No data available

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity No information available
Skin Corrosion/Irritation No data available
Serious eye damage/eye irritation No data available
Respiratory or Skin Sensitization No data available
Germ Cell Mutagenicity No data available
Carcinogenicity No data available
Reproductive Toxicity No data available
Specific target organ toxicity (single exposure) No data available
Specific target organ toxicity (repeated exposure) No data available
Aspiration Hazard No data available

Section 12 – ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute) No data available
Hazardous to the aquatic environment (long-term) No data available
Hazardous to the ozone layer No data available

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Contaminated Container and Packaging Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION
International Regulations Regulatory Information by Sea Not applicable
Marine Pollutant Transport in bulk Not applicable
according to MARPOL 73/78,Annex Ⅱ,and the IBC code
Regulatory Information by Air
Not applicable

Regulatory Information by Road or Rail
Not applicable

Regulatory Information by Sea Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code
Not applicable

Emergency Response Guide Number
Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact
No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifie WF-90E
Product Code WF90E0001F
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHI, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 048-928-6668
Fax Number 048-928-9190
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210

Recommended Use Water color paints
Use WFC, WFCT90, WFR (GOLD)

Section 2 - HAZARDS IDENTIFICATION
GHS Classification
Health Hazards Serious eye damage/eye irritation Category
Carcinogenicity Category 2
Specific target organ toxicity (repeated ex Category 2(respiratory system)
Other hazards than mentioned above are Not
applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word Warning

Hazard Statements
H319 Causes serious eye irritation
H351 Suspected of causing cancer
H373 May cause damage to respiratory system
through prolonged or repeated exposure

Precautionary Statements
Prevention
Wash eye thoroughly after handling. (P264)
Precautionary Statements
Wear protective gloves. (P264)
Response
IF IN EYES: Rinse cautiously with water for
several minutes. Remove contact lenses, if
present and easy to do. Continue
rinsing. (P305+P351+P338)
IF exposed or concerned: Get medical advic
attention. (P308+P313)
Get medical advice and attention if you feel
unwell. (P314)
IF eye irritation persists: Get medical ad
attention. (P337+P313)
Disposal Precautionary Statements
Dispose of contents and container in accordance with local, regional and national regulations (to be specified). (P501)

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS
Distinction of Substance or Mixture
Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>iron oxide</td>
<td>1.56%</td>
<td>Fe2O3</td>
<td>(1)−357,(5)−5188</td>
<td>Existing</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10.04%</td>
<td>TiO2</td>
<td>(1)−558,(5)−5225</td>
<td>Existing</td>
</tr>
<tr>
<td>Glycerin</td>
<td>2.2%</td>
<td>CH2OHCH[(OH)CH2OH</td>
<td>(2)−242,(7)−338</td>
<td>Existing</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the
No information available

Section 4 – FIRST AID MEASURES
Inhalation
Remove person to fresh air and keep comfortable for breathing.
Get medical advice and attention if you feel unwell.

Skin Contact
Wash with soap and water.
If skin irritation or rash occurs, get medical advice and attention.
Get medical advice and attention if you feel unwell.

Eye Contact
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion
Rinse mouth.
Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES
Extinguishing Media
Dry chemicals, CO2, fog, sand or regular foam.
In fire fighting, wear respiratory protection and chemical protective clothing.

Protection of Fire Figther

Section 6 – ACCIDENTAL RELEASE MEASURES
Personal Precautions,
Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental Precautions
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and Equipment for Containment and Cleaning up
Allow material to solidify, and scrape up.
Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling

Wash hand thoroughly after handling.

Do not contact, breathe or swallow.

Prevents Handling of Incompatible Substances or Mixtures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection

Use personal respiratory equipment as required.

Hand Protection

Use personal gloves as required.

Eye Protection

Use personal eye protection as required.

Skin and Body Protection

Use personal protective clothing and face protection as required.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

The others

Physical State

Paste

Form

Paste

Colour

Gold

Odour

Slight odor

Odour threshold

No data available

pH

No data available

Melting Point/Freezing Point

No data available

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

Not ignited

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

Lower Limit

No data available

Upper Limit

No data available

Vapour Pressure

No data available

Vapour Density

No data available

Specific Gravity (Density)

No data available

Partition Coefficient : n-Octanol/Water

No data available

Auto-Ignition

No data available

Decomposition

No data available

Temperature

No data available

Viscosity

No data available

Kinematic viscosity

No data available

Section 10 – STABILITY AND REACTIVITY

Vacuum or sweep up material and place in a disposal container.
Reactivity
Chemical stability
Possibility of Hazardous Reaction
Conditions to Avoid
Imcompatible Substances or Mixtures
Hazardous Decomposition Products

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory or Skin Sensitization
Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity
Specific target organ toxicity (single exposure)
Specific target organ toxicity (repeated exposure)
Aspiration Hazard

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute)
Hazardous to the aquatic environment (long-term)
Hazardous to the ozone layer

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea
Marine Pollutant
<table>
<thead>
<tr>
<th>Regulations in Japan</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Road or Rail</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Sea</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Emergency Response Guide Number**

Not applicable

**Section 15 - REGULATORY INFORMATION**

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

**Section 16 - OTHER INFORMATION**

**Information Contact**

No information available

This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.
Safety Data Sheet (SDS)

Preparation Date 2016/03/15

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: WF-91E

Product Code: WF91E0001F

Company Name: PENTEL CO., LTD.

Address: 7-2, KOAMICHI, NIHONBASHI, CHUO-KU, TOKYO

Company Contact: QUALITY ASSURANCE DEPARTMENT I

Phone Number: 048-928-6668

Fax Number: 048-928-9190

Mail Address: hinpo@pentel.co.jp

Emergency Phone: 03-5695-7210

Recommended Use: Water color paints

Use: WF9, WFC91, WFR (SILVER)

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Health Hazards: Carcinogenicity Category 2

Specific target organ toxicity (repeated exposure) Category 2 (lung)

Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word: Warning

Hazard Statements: H351 Suspected of causing cancer

H373 May cause damage to lung through prolonged or repeated exposure

Precautionary Statements:

Prevention: Wear protective gloves. (P280)

Response: Get medical advice and attention if you feel unwell. (P314)

Disposal: Dispose of contents and container in accord with local, regional and national regulations. (P501)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>1.6%</td>
<td>SiO2</td>
<td>(1)-548 Existing</td>
<td>7631-86-9</td>
</tr>
</tbody>
</table>
Titanium dioxide 7.09%  TiO₂ (1)-558, (5)-5225  Existing 13463-67-7

Glycerin 2.18%  CH₂OHCH(ΟH)CΗ₂OH (2)-242, (7)-338  Existing 56-81-5

Aluminium oxide 1.11%  Al₂O₃ (1)-23  Existing 1344-28-1

Impurities and/or Stabilizing Additives which Contribute to the

Section 4 - FIRST AID MEASURES
Inhalation
- Remove person to fresh air and keep comfortable for breathing.
- Get medical advice and attention if you feel unwell.

Skin Contact
- Wash with soap and water.
- If skin irritation or rash occurs, get medical advice and attention.
- Get medical advice and attention if you feel unwell.

Eye Contact
- When the ocular stimulation lasts, Seek medical treatment and advice.
- Rinse cautiously with water for several minutes.
- Rinse mouth.
- Get medical advice and attention if you feel unwell.

Ingestion

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media
- Dry chemicals, CO₂, water spray or regular foam.
- In fire fighting, wear respiratory protection and chemical protective clothing.

Protection of Fire Figther

Section 6 - ACCIDENTAL RELEASE MEASURES
Personal Precautions,
Protective Equipment and
Emergency Procedures
- Wear appropriate personal protective equipment
  (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.
- This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
- Allow material to solidify, and scrape up.

Environmental Precautions
- Vacuum or sweep up material and place in a disposal container.

Methods and Equipment for Containment and Cleaning up

Section 7 - HANDLING AND STORAGE
Handling Technical Measures
- Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
- Wash hand thoroughly after handling.
- Do not contact, breathe or swallow.
Prevents Handling of Imcompatible Substances or Mixtures
Specific Hygiene Measures

Storage Precautionary Statements

Technical Measures

Refer to “Section 10 - STABILITY AND REACTIVITY”.

Wash hand thoroughly after handling.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls
Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection
Use personal respiratory equipment as required.

Hand Protection
Use personal gloves as required.

Eye Protection
Use personal eye protection as required.

Skin and Body Protection
Use personal protective clothing and face protection as required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical State
the others

Form
paste

Colour
silver

Odour
slight odor

Odour threshold
No data available

pH
No data available

Melting Point/Freezing Point
No data available

Initial Boiling Point and Boiling Ranges
No data available

Flash Point
No data available

Evaporation Rate
No data available

Flammability (solid, gas)
No data available

Flammability or Explosive Limits
Lower Limit
No data available

Upper Limit
No data available

Vapour Pressure
No data available

Vapour Density
No data available

Specific Gravity (Density)
No data available

Partition Coefficient : n-
No data available

Octanol/Water Auto-Ignition
No data available

Decomposition
No data available

Temperature

Viscosity
No data available

Kinematic viscosity
No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
No data available

Possibility of Hazardous Reaction
No data available

Conditions to Avoid
No data available

Imcompatible Substances or Mixtures
No data available

Hazardous Decomposition Products
No data available

Section 11 - TOXICOLOGICAL INFORMATION

Refer to “Section 10 - STABILITY AND REACTIVITY”.

Wash hand thoroughly after handling.

Refer to “Section 10 - STABILITY AND REACTIVITY”.

Good general ventilation should be sufficient to control airborne levels.

Use personal respiratory equipment as required.

Use personal gloves as required.

Use personal eye protection as required.

Use personal protective clothing and face protection as required.

the others

paste

silver

slight odor

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available
Acute Toxicity: No information available
Skin Corrosion/Irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration Hazard: No data available

Section 12 - ECOLOGICAL INFORMATION
Hazardous to the aquatic environment (acute): No data available
Hazardous to the aquatic environment (long-term): No data available
Hazardous to the ozone layer: No data available

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste: Disposal should be in accordance with applicable regulations and standards by the respective local governments.
Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
In case of disposal of empty containers, remove the content thoroughly.

Contaminated Container and Packaging

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea: Not applicable
Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II,and the IBC code: Not applicable
Regulatory Information by Air: Not applicable

Regulations in Japan
Regulatory Information by Road or Rail: Not applicable
Regulatory Information by Sea: Not applicable
Marine Pollutant: Not applicable
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code Not applicable

Emergency Response Not applicable

Section 15 – REGULATORY INFORMATION
Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION
Information Contact No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.

Other Property Not applicable