Safety Data Sheet (SDS)

Preparation Date  2012/02/09
Revision Date  2016/04/13

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
Product Name  WPF5-F
Product Code  WPF5F00001
Company Name  PENTEL CO., LTD.
Address  7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
Company Contact  QUALITY ASSURANCE DEPARTMENT I
Phone Number  048-928-6668
Emergency Phone Number  048-928-6668
Fax Number  048-928-9190
Mail Address  hinpo@pentel.co.jp
Recommended Use and Restriction on Use  SL25INKF, SL25F, XSLR1-F

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 Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>18%</td>
<td>CH2OHCH(OH)CH2OH</td>
<td>Existing</td>
<td>56–81–5</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

Section 4 - FIRST AID MEASURES
Inhalation
If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
Get medical advice and attention if you feel unwell.

Skin Contact
Wash with soap and plenty of water.
If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact
Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion
Rinse a mouth. Don’t make vomit by force.
Get medical advice and attention if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media
Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 - ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures
No information available
Environmental Precautions

Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

Decontamination/Absorption/Sweeping/Vacuming/Neutralization

Collect the material into a disposal container by sucking up or sweeping up.

Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.

Methods and Equipment for Containment and Cleaning up

Cleansing the contaminated area thoroughly with water after removal.

Prevention Measures for Secondary Accidents

Prevent flowing into drain, sewage, basement, and closed area.

Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 - HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and Use necessary personal protective equipment as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.”

Local and General Ventilation

Provide local ventilations and a full ventilation system as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.”

Precautions for Safe Handling

Avoid the contact with eyes.

Wash hands thoroughly after handling.

Avoid swallowing

Avoid high temperature and direct sunlight.

Prevents Handling of Incompatible Substances or Mixtures

Refer to “10. STABILITY AND REACTIVITY”

Storage Precautionary Statements

Technical Measures

The storage facility should be privided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.

Imcompatible Substances or Mixtures

Refer to “10. STABILITY AND REACTIVITY”

Storage Conditions

Have containers keep away from direct sunlight and heat.

Keep away from heat.

Store locked up.

Material Used in Packaging/Containers

Packaging materials and containers are not legislated, but use sturdy and closed-type containers.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

A general proper ventilation is enough to control concentration in air.

Personal Protective Equipment

Respiratory Protection

Use a personal protective apparatus for respiratory organs whenever necessary.

Hand Protection

Use necessary personal protective gloves.

Eye Protection

Use an adequate personal eye protector.

Skin and Body Protection

Use the personal protective clothing and full face mask whenever necessary.

Specific Hygiene Measures

Wash hands thoroughly after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: liquid

Colour: orange

Odour: odorless

pH: No data available
Initial Boiling Point and Boiling Ranges
Flash Point
Auto-Ignition

No information available
no data available
No information available

Section 10 - STABILITY AND REACTIVITY
Stability
Possibility of Hazardous Reaction
Conditions to Avoid
Hazardous Decomposition Products

The material is stable under storage and handling conditions comprised with the regulations.
No data available
No data available
No data available

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity

No information available

Section 12 - ECOLOGICAL INFORMATION
Environmental Hazards
Ecotoxicity

No information available
No information available

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

For disposal, conform with the standards provided by related laws and local public bodies.
Commission the authorized waste disposal company, or a local public body who conducts the disposal, to dispose of the material.
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 UN No.
Marine Pollutant Regulatory Information by Air UN No.
Regulations in Japan Regulatory Information by Road or Rail Regulatory Information by Sea UN No.
Marine Pollutant Regulatory Information by Air UN No.

Not applicable
Not applicable
Not applicable
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)

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
Product Name: WPF9-G
Product Code: WPF9G00001
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Emergency Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Recommended Use and Restriction on Use: SL25INKG, SL25G, XSLR1-G

Section 2 – HAZARDS IDENTIFICATION
GHS Classification
Health Hazards: Acute toxicity – oral Category 3
Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements
Symbols

Signal Word: Danger
Hazard Statements: H301 Toxic if swallowed
Precautional Statements: Prevention – Wash hands thoroughly after handling. (P264)
Precautionary Statements: Do not eat, drink or smoke when using this product. (P270)
Response: IF SWALLOWED: Immediately call a doctor. (P301+P310)
Precautionary Statements: Specific treatment. (P321)
Storage: Store locked up. (P405)

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>20%</td>
<td>CH2OHCH (OH)C H2OH</td>
<td>(2)–242,(7)–338</td>
<td>Existing</td>
</tr>
<tr>
<td>Sodium fluoride</td>
<td>0.15%</td>
<td>NaF</td>
<td>(1)–332</td>
<td>Existing</td>
</tr>
</tbody>
</table>
Impurities and/or Stabilizing Additives which Contribute to the

Section 4 - FIRST AID MEASURES

Inhalation
If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing. Get medical advice and attention if you feel unwell.

Skin Contact
Wash with soap and plenty of water.

Eye Contact
Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion
Rinse a mouth. Don’t make vomit by force. Get medical advice and attention if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 - ACCIDENTAL RELEASE MEASURES

Pay attention not to cause the influence on the environment by discharging into rivers.
This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

Decontamination/Absorption/Sweeping/Vacuming/Neutralization
Collect the material into a disposal container by sucking up or sweeping up.
Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.
Cleansing the contaminated area thoroughly with water after removal.
Prevent flowing into drain, sewage, basement, and closed area.
Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 - HANDLING AND STORAGE

Technical Measures
Provide ventilation system and Use necessary personal protective equipment as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.”

Local and General Ventilation
Provide local ventilations and a full ventilation system as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.”

Precautions for Safe Handling
Avoid the contact with eyes.
Wash hands thoroughly after handling.
Avoid swallowing
Avoid high temperature and direct sunlight.

Prevent Handling of Incompatible Substances or Mixtures
Refer to “10. STABILITY AND REACTIVITY”
Storage Precautionary Statements

Imcompatible Substances or Mixtures

Storage Conditions

Material Used in Packaging/Containers

Technical Measures

The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.

Refer to "10. STABILITY AND REACTIVITY"

Have containers keep away from direct sunlight and heat.

Keep away from heat.

Store locked up.

Packaging materials and containers are not legislated, but use sturdy and closed-type containers.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

A general proper ventilation is enough to control concentration in air.

Personal Protective Equipment

Respiratory Protection

Use a personal protective apparatus for respiratory organs whenever necessary.

Hand Protection

Use necessary personal protective gloves.

Eye Protection

Use an adequate personal eye protector.

Skin and Body Protection

Use the personal protective clothing and full face mask whenever necessary.

Specific Hygiene Measures

Wash hands thoroughly after handling.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: liquid

Colour: yellow

Odour: odorless

Initial Boiling Point and Boiling Ranges

No data available

Flash Point

No data available

Auto-Ignition

No data available

Section 10 – STABILITY AND REACTIVITY

Stability

The material is stable under storage and handling conditions comprised with the regulations.

Possibility of Hazardous Reaction

No data available

Conditions to Avoid

No data available

Hazardous Decomposition Products

No data available

Section 11 – TOXICOCLOGICAL INFORMATION

Acute Toxicity

No information available

Section 12 – ECOLOGICAL INFORMATION

Environmental Hazards

No information available

Ecotoxicity

No information available

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste

For disposal, conform with the standards provided by related laws and local public bodies.

Commission the authorized waste disposal company, or a local public body who conducts the disposal, to dispose of the material.

Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

Contaminated Container and Packaging

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>UN No.</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Marine Pollutant Regulatory Information by Air</td>
<td>UN No.</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Regulations in Japan</td>
<td>Regulatory Information by Road or Rail</td>
<td>UN No.</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>Marine Pollutant Regulatory Information by Air</td>
<td>UN No.</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
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.
Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: WPF10-K
Product Code: WPF10K0001
Company Name: PENTEL CO., LTD.
Address: 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT 1
Phone Number: 048-928-6668
Emergency Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Recommended Use and Restriction on Use: SL25INKK, SL25K, XSLR1-K

Section 2 - HAZARDS IDENTIFICATION

GHS Classification
Health Hazards: Acute toxicity – oral Category 3
Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements
Symbols:

Signal Word: Danger
Hazard Statements: H301 Toxic if swallowed
Precautional Statements: Prevention - Wash hands thoroughly after handling.(P264)
Precautionary Statements: Do not eat, drink or smoke when using this product.(P270)
Response: IF SWALLOWED: Immediately call a doctor.(P301+P310)
Precautionary Statements: Specific treatment.(P321)
Storage: Store locked up.(P405)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name or Generic Name | Concentration or Its Ranges | Formula | ENCS No./ISHL No. | CAS RN
--- | --- | --- | --- | ---
Glycerin | 20% | CH2OHCH(OH)C H2OH (2)–242,(7)–338 | Existing | 56–81–5
Sodium fluoride | 0.15% | NaF (1)–332 | Existing | 7681–49–4
Impurities and/or Stabilizing Additives which Contribute to the

Section 4 – FIRST AID MEASURES

Inhalation
If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing. Get medical advice and attention if you feel unwell.

Skin Contact
Wash with soap and plenty of water. If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact
Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards. When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion
Rinse a mouth. Don’t make vomit by force. Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media
Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

Environmental Precautions
Collect the material into a disposal container by sucking up or sweeping up. Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.

Decontamination/Absorption/Sweeping/Vacuming/Neutralization
Cleansing the contaminated area thoroughly with water after removal. Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 – HANDLING AND STORAGE

Handling
Provide ventilation system and Use necessary personal protective equipment as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.” Provide local ventilations and a full ventilation system as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.” Avoid the contact with eyes. Wash hands thoroughly after handling. Avoid swallowing Avoid high temperature and direct sunlight. Refer to “10. STABILITY AND REACTIVITY”
Storage Precautionary Statements

**Technical Measures**

The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.

**Imcompatible Substances or Mixtures**

Refer to "10. STABILITY AND REACTIVITY"

**Storage Conditions**

Have containers keep away from direct sunlight and heat.

Keep away from heat.

Store locked up.

**Material Used in Packaging/Container s**

Packaging materials and containers are not legislated, but use sturdy and closed-type containers.

---

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

**Engineering Controls**

A general proper ventilation is enough to control concentration in air.

**Personal Protective Equipment**

Respiratory Protection

Use a personal protective apparatus for respiratory organs whenever necessary.

Hand Protection

Use necessary personal protective gloves.

Eye Protection

Use an adequate personal eye protector.

Skin and Body Protection

Use the personal protective clothing and full face mask whenever necessary.

**Specific Hygiene Measures**

Wash hands thoroughly after handling.

---

**Section 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

**Physical State**

liquid

**Colour**

Light Green

**Odour**

odorless

**pH**

No data available

**Flash Point**

No information available

**Auto-Ignition**

No data available

---

**Section 10 – STABILITY AND REACTIVITY**

**Stability**

The material is stable under storage and handling conditions comprised with the regulations.

**Possibility of Hazardous Reaction**

No data available

**Conditions to Avoid**

No data available

**Hazardous Decomposition Products**

No data available

---

**Section 11 – TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

No information available

---

**Section 12 – ECOLOGICAL INFORMATION**

**Environmental Hazards**

No information available

**Ecotoxicity**

No information available

---

**Section 13 – DISPOSAL CONSIDERATIONS**

**Residual Waste**

For disposal, conform with the standards provided by related laws and local public bodies.

Commission the authorized waste disposal company, or a local public body who conducts the disposal, to dispose of the material.

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></td>
<td>UN No.</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>Marine Pollutant Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>UN No.</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Regulations in Japan</th>
<th>Regulatory Information by Road or Rail</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UN No.</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>Marine Pollutant Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>UN No.</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 legal responsibility for use of or reliance upon this information.</td>
</tr>
</tbody>
</table>
Safety Data Sheet (SDS)

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
Product Name: WPF5-P
Product Code: WPF5P00001
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Emergency Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Recommended Use and Restriction on Use: SL25INKP, SL25P, XSLR1-P

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 Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>23%</td>
<td>CH2OHCH (OH)C H2OH</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: If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing. Get medical advice and attention if you feel unwell.

Skin Contact: Wash with soap and plenty of water. If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact: Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards. When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion: Rinse a mouth. Don’t make vomit by force. Get medical advice and attention if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES
Extinguishing Media: Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 - ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures: No information available
Environmental Precautions

Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

Decontamination/Absorption/Sweeping/Vacuming/Neutralization

Collect the material into a disposal container by sucking up or sweeping up.

Methods and Equipment for Containment and Cleaning up

Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.

Prevention Measures for Secondary Accidents

Cleansing the contaminated area thoroughly with water after removal.

Prevent flowing into drain, sewage, basement, and closed area.

Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 – HANDLING AND STORAGE

Handling Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."

Local and General Ventilation

Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."

Precautions for Safe Handling

Avoid the contact with eyes.

Wash hands thoroughly after handling.

Avoid swallowing.

Prevents Handling of Incompatible Substances or Mixtures

Refer to "10. STABILITY AND REACTIVITY".

Storage Precautionary Statements

Technique Measures

The storage facility should be privided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.

Refer to "10. STABILITY AND REACTIVITY."

Imcompatible Substances or Mixtures

Storage Conditions

Have containers keep away from direct sunlight and heat.

Keep away from heat.

Store locked up.

Material Used in Packaging/Container

Packaging materials and containers are not legislated, but use sturdy and closed-type containers.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

A general proper ventilation is enough to control concentration in air.

Personal Protective Equipment

Respiratory Protection

Use a personal protective apparatus for respiratory organs whenever necessary.

Hand Protection

Use necessary personal protective gloves.

Eye Protection

Use an adequate personal eye protector.

Skin and Body Protection

Use the personal protective clothing and full face mask whenever necessary.

Specific Hygiene Measures

Wash hands thoroughly after handling.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: liquid

Colour: pink

Odour: odorless

pH: No data available
### Initial Boiling Point and Boiling Ranges

No information available

### Flash Point

No data available

### Auto-Ignition

No information available

### Section 10 - STABILITY AND REACTIVITY

#### Stability

The material is stable under storage and handling conditions comprised with the regulations.

#### Possibility of Hazardous Reaction

No data available

#### Conditions to Avoid

No data available

#### Hazardous Decomposition Products

No data available

### Section 11 - TOXICOLOGICAL INFORMATION

#### Acute Toxicity

No information available

### Section 12 - ECOLOGICAL INFORMATION

#### Environmental Hazards

No information available

#### Ecotoxicity

No information available

### Section 13 - DISPOSAL CONSIDERATIONS

#### Residual Waste

For disposal, conform with the standards provided by related laws and local public bodies.
Commission the authorized waste disposal company, or a local public body who conducts the disposal, 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

<table>
<thead>
<tr>
<th>Regulatory Information by Sea</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Pollutant Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>UN No.</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

#### Regulations in Japan

| Regulatory Information by Road or Rail | Not applicable |
| Information by Sea UN No. | Not applicable |
| Marine Pollutant Regulatory Information by Air UN No. | 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)

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>WPF5-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>WPF50001</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 I</td>
</tr>
<tr>
<td>Phone Number</td>
<td>048-928-6668</td>
</tr>
<tr>
<td>Emergency 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>Recommended Use and Restriction on Use</td>
<td>ink</td>
</tr>
</tbody>
</table>

SL25INKS, SL25S, XSLR1-S

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

No classification standards applicable

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Distinction of Substance or Mixture</th>
<th>mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name or Generic Name</td>
<td>Glycerin</td>
</tr>
<tr>
<td>Concentration or Its Ranges</td>
<td>30%</td>
</tr>
<tr>
<td>Formula</td>
<td>CH2OHCH(OH)CH2OH</td>
</tr>
<tr>
<td>ENCS No./ISHL No.</td>
<td>ENCS No.</td>
</tr>
<tr>
<td>Glycerin</td>
<td>(2)-242 (7)-338</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 - FIRST AID MEASURES

| Inhalation | If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing. Get medical advice and attention if you feel unwell. |
| Skin Contact | Wash with soap and plenty of water. If skin irritation or rash occurs: Get medical advice and attention. |
| Eye Contact | Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards. When the ocular stimulation lasts, Seek medical treatment and advice. |
| Ingestion | Rinse a mouth. Don’t make vomit by force. Get medical advice and attention if you feel unwell. |

Section 5 - FIRE FIGHTING MEASURES

| Extinguishing Media | Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents |

Section 6 - ACCIDENTAL RELEASE MEASURES

| Personal Precautions, Protective Equipment and Emergency Procedures | No information available |
**Environmental Precautions**

Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

**Decontamination/Absorption/Sweeping/Vacuming/Neutralization**

Collect the material into a disposal container by sucking up or sweeping up.

Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.

Cleansing the contaminated area thoroughly with water after removal.

Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor.

**Section 7 – HANDLING AND STORAGE**

**Handling Technical Measures**

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

**Local and General Ventilation**

Provide local ventilations and a full ventilation system as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.”

**Precautions for Safe Handling**

Wash hands thoroughly after handling.

Avoid swallowing
Avoid high temperature and direct sunlight.
Refer to “10. STABILITY AND REACTIVITY”

**Storage Precautionary Statements**

The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.

Refer to “10. STABILITY AND REACTIVITY”

**Technical Measures**

Imcompatible Substances or Mixtures

Have containers keep away from direct sunlight and heat.

Keep away from heat.

Store locked up.

**Material Used in Packaging/Containers**

Packaging materials and containers are not legislated, but use sturdy and closed-type containers.

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

**Engineering Controls**

A general proper ventilation is enough to control concentration in air.

**Personal Protective Equipment**

Respiratory Protection

Use a personal protective apparatus for respiratory organs whenever necessary.

Hand Protection

Use necessary personal protective gloves.

Eye Protection

Use an adequate personal eye protector.

Skin and Body Protection

Use the personal protective clothing and full face mask whenever necessary.

**Specific Hygiene Measures**

Wash hands thoroughly after handling.

**Section 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

**Physical State**

liquid

**Colour**

Sky Blue

**Odour**

odorless

**pH**

No data available
### Section 1 - IDENTIFICATION

**Chemical Abstracts Service (CAS) No.** 2012/02/09

**Other Names** WPF5-S

**Synonyms** PENTEL CO., LTD.

**Description** 2

**Appearance/Physical States** 2012/02/09

**Chemical Formula** 3

**Molecular Weight** 4

### Section 2 - MACKENZIE UNIT

**Solubility** 2012/02/09

**Melting Point** 3

**Boiling Point** 4

**Flash Point** 5

**Auto-Ignition** 6

### Section 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Initial Boiling Point and Boiling Ranges** 7

**Flash Point** 8

**Auto-Ignition** 9

### Section 10 - STABILITY AND REACTIVITY

**Stability** The material is stable under storage and handling conditions comprised with the regulations.

**Possibility of Hazardous Reaction** 12

**Conditions to Avoid** 13

**Hazardous Decomposition Products** 14

### Section 11 - TOXICOLOGICAL INFORMATION

**Acute Toxicity** 16

### Section 12 - ECOLOGICAL INFORMATION

**Environmental Hazards** 17

**Ecotoxicity** 18

### Section 13 - DISPOSAL CONSIDERATIONS

**Residual Waste** For disposal, conform with the standards provided by related laws and local public bodies.

**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** 20

**Regulatory Information by Sea UN No.** 21

**Marine Pollutant Regulatory Information by Air UN No.** 22

**Regulatory Information by Road or Rail** 23

**Regulatory Information by Sea UN No.** 24

**Marine Pollutant Regulatory Information by Air UN No.** 25

### 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)

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: WPF5-V
Product Code: WPF5V00001
Company Name: PENTEL CO., LTD.
Address: 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact: QUALITY ASSURANCE DEPARTMENT I
Phone Number: 048-928-6668
Emergency Phone Number: 048-928-6668
Fax Number: 048-928-9190
Mail Address: hinpo@pentel.co.jp
Recommended Use and Restriction on Use: SL25INKV, SL25V, XSLR1-V

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 Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>30%</td>
<td>CH2OHCH(OH)C2H2OH(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

Section 4 – FIRST AID MEASURES

Inhalation: If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing. Get medical advice and attention if you feel unwell.

Skin Contact: Wash with soap and plenty of water. If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact: Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards. When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion: Rinse a mouth. Don’t make vomit by force. Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: No information available
Environmental Precautions
Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

Decontamination/Absorption/Sweeping/Vacumming/Neutralization
Collect the material into a disposal container by sucking up or sweeping up.
Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.

Methods and Equipment for Containment and Cleaning up
Cleansing the contaminated area thoroughly with water after removal.
Prevent flowing into drain, sewage, basement, and closed area.
Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 - HANDLING AND STORAGE
Handling
Technical Measures
Provide ventilation system and Use necessary personal protective equipment as described in “8. EXPOSURE CONTROLS AND PERSONAL
Local and General Ventilation
Provide local ventilations and a full ventilation system as described in “8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.”
Precautions for Safe Handling
Avoid the contact with eyes.
Wash hands thoroughly after handling.
Avoid swallowing
Avoid high temperature and direct sunlight.
Prevent Handling of Incompatible Substances or Mixtures
Refer to “10. STABILITY AND REACTIVITY”

Storage Precautionary Statements
Technical Measures
The storage facility should be privvided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.
Imcompatible Substances or Mixtures
Refer to “10. STABILITY AND REACTIVITY”
Storage Conditions
Have containers keep away from direct sunlight and heat.
Keep away from heat.
Store locked up.

Material Used in Packaging/Containers
Packaging materials and containers are not legislated, but use sturdy and closed-type containers.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Controls
A general proper ventilation is enough to control concentration in air.
Personal Protective Equipment
Respiratory Protection
Use a personal protective apparatus for respiratory organs whenever necessary.
Hand Protection
Use necessary personal protective gloves.
Eye Protection
Use an adequate personal eye protector.
Skin and Body Protection
Use the personal protective clothing and full face mask whenever necessary.
Specific Hygiene Measures
Wash hands thoroughly after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES
Appearance
Physical State
liquid
Colour
Violet
Odour
odorless
pH
No data available
Initial Boiling Point and
Boiling Ranges
Flash Point
Auto-Ignition

No information available
no data available
No information available

Section 10 - STABILITY AND REACTIVITY
Stability
Possibility of Hazardous Reaction
Conditions to Avoid
Hazardous Decomposition Products

The material is stable under storage and handling conditions comprised with the regulations.
No data available
No data available
No data available

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity

No information available

Section 12 - ECOLOGICAL INFORMATION
Environmental Hazards
Ecotoxicity

No information available
No information available

Section 13 - DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

For disposal, conform with the standards provided by related laws and local public bodies. Commission the authorized waste disposal company, or a local public body who conducts the disposal, to dispose of the material.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

Section 14 - TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea UN No.
Marine Pollutant Regulatory Information by Air UN No.

Not applicable
Not applicable
Not applicable

Regulations in Japan
Regulatory Information by Road or Rail
Regulatory Information by Sea UN No.
Marine Pollutant Regulatory Information by Air UN No.

Not applicable
Not applicable
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

Not applicable
Not applicable
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.