Safety Data Sheet (SDS)

Preparation Date 2018/10/29

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier OPB11–A
Product Code OPB11A0002
Company Name PENTEL CO., LTD.
Address 7–2,KOAMICHO,NIHONBASHI,CHUO–KU,TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 03–5695–7210
Fax Number 03–5645–8204
Mail Address hinpo@pentel.co.jp
Emergency Phone Number 03–5695–7210
Recommended Use and Restriction on Use

(X)BXM7H–A, XBXS7–A, XBXS7J–A, XBXS5J–A, XKBXES7–A, BX107A–A, BX157–A

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity (Inhalation: vapour) Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Carcinogenicity Category 2
Reproductive toxicity Category 1B
Specific target organ toxicity (single exposure) Category 1(liver,blood,kidney,spleen)
Specific target organ toxicity (single exposure) Category 2(central nervous system)
Specific target organ toxicity (single exposure) Category 3(narcotic effect)
Specific target organ toxicity (repeated exposure) Category 1(blood)
Specific target organ toxicity (repeated exposure) Category 2(respiratory apparatus)
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word Danger
Hazard Statements H226 Flammable liquid and vapour
H315+H320 Causes skin and eye irritation
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness
H351 Suspected of causing cancer
H360 May damage fertility or the unborn child
H370 Causes damage to liver,blood,kidney,spleen
H373 May cause damage to respiratory apparatus through prolonged or repeated exposure
Precautionary Statements

Prevention
Avoid breathing gas.(P261)
Avoid breathing mist, vapours and spray.(P261)
Avoid breathing dust and fume.(P261)
Wash hand thoroughly after handling.(P264)
Wash eye thoroughly after handling.(P264)
Do not eat, drink or smoke when using this product.(P270)
Use only outdoors or in a well-ventilated area.(P271)

Response
IF ON SKIN: Wash with plenty of soap and water.(P302+P352)

Precautionary Statements

Storage
Store in a well-ventilated place keeping container tightly closed.(P403+P233)

Disposal
Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<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>CarbonBlack (C.I. Pigment Black7)</td>
<td>5.5%</td>
<td>Unknown</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>Ethylene glycol monoisopropyl ether</td>
<td>15.65%</td>
<td>Unknown</td>
<td>(2)–410</td>
<td>Existing</td>
</tr>
<tr>
<td>2-phenoxyethanol</td>
<td>15%</td>
<td>Unknown</td>
<td>(3)–558 (7)–78 (9)–1277</td>
<td>Existing</td>
</tr>
<tr>
<td>2—(2—Methoxyethoxy)ethanol</td>
<td>19.29%</td>
<td>Unknown</td>
<td>(2)–422 (2)–2979 (7)–97</td>
<td>Existing</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 – FIRST AID MEASURES

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

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 advice and attention.(P337+P313)

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340)

Store locked up.(P405)
Inhalation

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

Skin Contact

Wash with plenty of 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. Do NOT induce vomiting.
Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

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

Unsuitable Extinguishing Media

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

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Keep unauthorized personnel away.

Do not touch or walk through spilled material.
Stay upwind.
Ventilate closed spaces before entering.
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental
Do not release into the environment.
Pay attention not to cause the influence on the environment by discharging into rivers.
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
Stop leak if you can do it without risk.

Small spills; absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.
Large spills; prevent flowing out with a dike and collect it at a safe place.
Remove thoroughly since the smooth and slippery surface will be formed on the floor.
After removal, flush contaminated area thoroughly with water.

Prevention Measures for Secondary Accidents
Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).
Prevent flowing into drain, sewage, basement, and closed area.
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

Avoid breathing gas.
Avoid breathing mist, vapours and spray.
Avoid breathing dust and fume.
Wash hand thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Do not contact, breathe or swallow.

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

Conditions for Safe Storage

Store in a well-ventilated place keeping container tightly closed.
Have containers keep away from direct sunlight and 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

Take precautionary measures against static discharge.
Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection
Use personal respiratory equipment as required.

Hand Protection
Wear protective gloves.

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
liquid

Form
liquid

Colour
black

Odour
A characteristic odor makes it small.

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

Remove thoroughly since the smooth and slippery surface will be formed on the floor.
### Section 10 - STABILITY AND REACTIVITY

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

### Section 11 - TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Data Available</th>
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</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
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<tr>
<td>Skin Corrosion/Irritation</td>
<td>No data available</td>
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<tr>
<td>Serious eye damage/eye irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory Sensitization</td>
<td>No data available</td>
</tr>
<tr>
<td>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>
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### Section 12 - ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Data Available</th>
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</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>Property</th>
<th>Data Available</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.</td>
</tr>
</tbody>
</table>
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

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 2015/04/02
Revision Date 2018/10/29

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Chemical Identifier</th>
<th>Chemical Identifier</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPB11–B</td>
<td>OPB11B0002</td>
<td></td>
</tr>
<tr>
<td>Company Name</td>
<td>PENTEL CO., LTD.</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>7–2,KOAMICHO,NIHONBASHI,CHUO–KU,TOKYO</td>
<td></td>
</tr>
<tr>
<td>Company Contact</td>
<td>QUALITY ASSURANCE DEPARTMENT I</td>
<td></td>
</tr>
<tr>
<td>Phone Number</td>
<td>03–5695–7210</td>
<td></td>
</tr>
<tr>
<td>Fax Number</td>
<td>03–5645–8204</td>
<td></td>
</tr>
<tr>
<td>Mail Address</td>
<td><a href="mailto:hinpo@pentel.co.jp">hinpo@pentel.co.jp</a></td>
<td></td>
</tr>
<tr>
<td>Emergency Phone Number</td>
<td>03–5695–7210</td>
<td></td>
</tr>
<tr>
<td>Recommended Use and Restriction on Use</td>
<td>ink</td>
<td>(X)BXM7H–B,(X)BXS7–B,XKBXES–B BX107B–B, BX157–B</td>
</tr>
</tbody>
</table>

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards
- Acute toxicity (Inhalation: vapour) Category 4
- Skin corrosion/irritation Category 2
- Serious eye damage/eye irritation Category 2A
- Specific target organ toxicity (single exposure) Category 1(liver,blood,kidney,spleen)
- Specific target organ toxicity (single exposure) Category 2(central nervous system)
- Specific target organ toxicity (single exposure) Category 3(narcotic effect)
- Specific target organ toxicity (repeated exposure) Category 1(blood)
- Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

![Safety Data Sheet Symbol]

Signal Word
- Danger

Hazard Statements
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H371 May cause damage to central nervous system
- H372 Causes damage to blood through prolonged or repeated exposure
- H336 May cause drowsiness or dizziness
- H370 Causes damage to liver,blood,kidney,spleen

Precautionary Statements

Prevention
- Avoid breathing gas.(P261)

Precautionary Statements
- Avoid breathing mist, vapours and spray.(P261)
Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<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>Ethylene glycol monoisopropyl ether</td>
<td>27.06%</td>
<td>Unknown</td>
<td>(2)-410 Existing</td>
<td>109-59-1</td>
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<tr>
<td>2-phenoxyethanol</td>
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<tr>
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<td>(2)-422 (2)-2979 (7)-97 Existing</td>
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</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 plenty of 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. Do NOT induce vomiting.
Get medical advice and attention if you feel unwell.

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

Unsuitable Extinguishing Media

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

Section 6 – ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures

Keep unauthorized personnel away.

Do not touch or walk through spilled material.
Stay upwind.
Ventilate closed spaces before entering.
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental

Do not release into the environment.
Pay attention not to cause the influence on the environment by discharging into rivers.
This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Stop leak if you can do it without risk.

Methods and Equipment for Containment and Cleaning up

Small spills; absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.
Large spills; prevent flowing out with a dike and collect it at a safe place.
After removal, flush contaminated area thoroughly with water.

Prevention Measures for Secondary Accidents

Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).
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 “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Technical Measures
Precautions for Safe Handling

Avoid breathing mist, vapours and spray.
Avoid breathing dust and fume.
Wash hand thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
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

Conditions for Safe Storage

Refer to “Section 10 – STABILITY AND REACTIVITY”.
Store in a well-ventilated place keeping container tightly closed.
Have containers keep away from direct sunlight and 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

Take precautionary measures against static discharge.
Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection
Use personal respiratory equipment as required.

Hand Protection
Wear protective gloves.

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: liquid

Form: liquid

Colour: red

Odour: characteristic
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
Auto-Ignition
Decomposition
Temperature
Viscosity
Kinematic viscosity

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

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory Sensitization
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. When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company. 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 Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code
Regulatory Information by Air

Not applicable

Regulations in Japan

Regulatory Information by Road or Rail
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
Other Property

No information available

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 2015/04/02
Revision Date 2018/10/29

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION
Chemical Identifier OPB11-C
Product Code OPB11C0002
Company Name PENTEL CO., LTD.
Address 7-2, KOAMICHO, NIHONBASHI, CHUO-KU, TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT I
Phone Number 03-5695-7210
Fax Number 03-5645-8204
Mail Address hinpo@pentel.co.jp
Emergency Phone 03-5695-7210
Number
Recommended Use ink
Use (X)BXM7H-C, (X)BXS7-C
BX107C-C, BX157-C

Section 2 – HAZARDS IDENTIFICATION

GHS Classification
Health Hazards Acute toxicity (Inhalation: vapour) Category 4
Serious eye damage/eye irritation Category 2A
Reproductive toxicity Category 1B
Specific target organ toxicity (single exposure) Category 2(liver, blood, kidney, spleen)
Specific target organ toxicity (single exposure) Category 3(narcotic effect)
Specific target organ toxicity (repeated exposure) Category 2(blood)
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word Danger
Hazard Statements H319 Causes serious eye irritation
H373 May cause damage to blood through prolonged or repeated exposure
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness
H360 May damage fertility or the unborn child
H371 May cause damage to liver, blood, kidney, spleen

Precautionary Statements
Prevention Avoid breathing gas.(P261)
Avoid breathing mist, vapours and spray.(P261)
Avoid breathing dust and fume.(P261)
Wash hand thoroughly after handling.(P264)
Wash eye thoroughly after handling.(P264)
**Response Precautionary Statements**

Do not eat, drink or smoke when using this product. (P270)
Use only outdoors or in a well-ventilated area. (P271)
Wear protective gloves. (P280)

**IF ON SKIN:** Wash with plenty of soap and water. (P302+P352)

If skin irritation or rash occurs, get medical advice and attention. (P333+P313)
Get medical advice and attention if you feel unwell. (P314)

**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 advice and attention. (P337+P313)

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)

Store in a well-ventilated place keeping container tightly closed. (P403+P233)

Store locked up. (P405)

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**

<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>
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<td>C. I. SOLVENT BLUE 38</td>
<td>0.86%</td>
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<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>Ethylene glycol monoisopropyl ether</td>
<td>3.84%</td>
<td>Unknown</td>
<td>(2)–410</td>
<td>Existing</td>
</tr>
<tr>
<td>2-phenoxethanol</td>
<td>13.97%</td>
<td>Unknown</td>
<td>(3)–558 (7)–78 (9)–1277</td>
<td>Existing</td>
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<td>39.12%</td>
<td>Unknown</td>
<td>(2)–422 (2)–2979 (7)–97</td>
<td>Existing</td>
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</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 plenty of 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. Do NOT induce vomiting. Get medical advice and attention if you feel unwell.

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

Unsuitable Extinguishing Media

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

Section 6 – ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures
Do not touch or walk through spilled material. Stay upwind. Ventilate closed spaces before entering. Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.

Environmental
Do not release into the environment. Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Stop leak if you can do it without risk.

Methods and Equipment for Containment and Cleaning up
Small spills; absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Large spills; prevent flowing out with a dike and collect it at a safe place. Remove thoroughly since the smooth and slippery surface will be formed on the floor. After removal, flush contaminated area thoroughly with water.

Prevention Measures for Secondary Accidents
Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area). Do not get water inside containers. Prevent dispersion by covering with plastic sheets. Prevent flowing into drain, sewage, basement, and closed area.

Section 7 – HANDLING AND STORAGE
Remove thoroughly since the smooth and slippery surface will be formed on the floor. After removal, flush contaminated area thoroughly with water.

After removal, flush contaminated area thoroughly with water.

Prevention Measures for Secondary Accidents
Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area). Do not get water inside containers. Prevent dispersion by covering with plastic sheets. Prevent flowing into drain, sewage, basement, and closed area.
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
Avoid breathing gas.
Avoid breathing mist, vapours and spray.
Avoid breathing dust and fume.
Wash hand thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
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
Conditions for Safe Storage
Refer to “Section 10 – STABILITY AND REACTIVITY”.
Have containers keep away from direct sunlight and heat.
Store in a well-ventilated place keeping container tightly closed.
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
Take precautionary measures against static discharge.
Good general ventilation should be sufficient to control airborne levels.

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

Hand Protection
Wear protective gloves.

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: liquid
Form: liquid
Colour: blue

Odour
characteristic
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
Section 10 - STABILITY AND REACTIVITY
Reactivity
Chemical stability
Possibility of Hazardous Reaction
Conditions to Avoid
Incompatible Substances or Mixtures
Hazardous Decomposition Products

Section 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity
Skin Corrosion/Irritation
Serious eye damage/eye irritation
Respiratory Sensitization
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. When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.
Section 14 – TRANSPORT INFORMATION

Contaminated Container and Packaging

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.