Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: ODF8-A
Product Code: ODF8A00002
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: ink

Section 2 – HAZARDS IDENTIFICATION

GHS Classification
Physicochemical Hazards: Flammable liquids Category 2
Health Hazards: Acute toxicity (Inhalation: dust and mist) Category 4
Serious eye damage/eye irritation Category 1
Sensitization – respiratory Category 1
Sensitization – skin Category 1
Carcinogenicity Category 1A
Reproductive toxicity Category 1A
Specific target organ toxicity (single exposure) Category 2(systemic toxicity, central nervous system)
Specific target organ toxicity (single exposure) Category 3(narcotic effect, respiratory tract irritation)
Specific target organ toxicity (repeated exposure) Category 1(liver)
Specific target organ toxicity (repeated exposure) Category 2(critical nervous system, blood)
Environmental Hazards: Hazardous to the aquatic environment (acute) Category 3
Hazardous to the aquatic environment (long-term) Category 3
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements
Symbols

Signal Word: Danger
Hazard Statements: H332 Harmful if inhaled
                             H225 Highly flammable liquid and vapour
                             H317 May cause an allergic skin reaction
Precautionary Statements
Prevention
Wear protective gloves, eye protection and face protection. (P280)

Response
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)
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 and attention if you feel unwell. (P314)
If skin irritation or rash occurs, get medical advice and attention. (P333+P313)
If eye irritation persists: Get medical advice and attention. (P337+P313)

Storage
Store in a well-ventilated place. Keep cool. (P403+P235)

Disposal
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

<table>
<thead>
<tr>
<th>Distinction of Substance or Mixture</th>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>ENCS No.</th>
<th>ISHL No.</th>
<th>CAS RN</th>
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<td>CH3CH2OH</td>
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<tr>
<td>Mixture</td>
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<td>8.1%</td>
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<td>Existing</td>
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</table>
## 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 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. Get medical advice and attention if you feel unwell.

### 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, water spray or regular foam.

### 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

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

Allow material to solidify, and scrape up. After removal, flush contaminated area thoroughly with water. Absorb or cover with dry earth, sand or other non-combustible material and transfer to Vacuum or sweep up material and place in a disposal container.
Prevention Measures for Secondary Accidents

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
- Do not eat, drink or smoke when using this product.
- Wash hand thoroughly after handling.
- Avoid breathing mist, vapours and spray.
- Avoid swallowing.
- Avoid contact with skin.
- Avoid contact with eyes.
- Handle at a well-ventilated place.
- Protect from high temperature and direct sunlight.
- Use exhaust ventilation.

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
- The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.
- Refer to “Section 10 – STABILITY AND REACTIVITY”.
- Have containers keep away from direct sunlight and heat.
- Keep away from heat.
- Store in a tightly closed container.
- Store locked up.

Material Used in Packaging/Container
- Use containers prescribed in the “Fire Service Law (Japan)” and the “UN Transport Regulations”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal Protective Equipment
- Wear an adequate protective apparatus for respiratory organs.
- Wear protective gloves.
- Wear eye protection.
- Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance
- Physical State: liquid
- Form: liquid
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<tr>
<td>pH</td>
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<tr>
<td>Melting Point/Freezing Point</td>
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<td>Initial Boiling Point and Boiling Ranges</td>
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<td>Flash Point</td>
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<td>Evaporation Rate</td>
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<td>Flammability (solid, gas)</td>
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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               | No data available                           |
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 Sensitization             | No data available                           |
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.
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.
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

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

<table>
<thead>
<tr>
<th>Regulatory Information by Sea</th>
<th>Conform to the provisions of IMO.</th>
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<tbody>
<tr>
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<tr>
<td>Proper Shipping Class</td>
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<td>Packing Group</td>
<td>II</td>
</tr>
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<tr>
<td>Transport in bulk according to MARPOL 73/78,Annex II,and the IBC code</td>
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Regulations in Japan

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<th>Regulatory Information by Road or Rail</th>
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<td>PAINT RELATED MATERIAL</td>
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<tr>
<td>Transport in bulk according to MARPOL 73/78,Annex II,and the IBC code</td>
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<td>Packing Group</td>
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<tr>
<td>Marine Pollutant</td>
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<tr>
<td>Transport in bulk according to MARPOL 73/78,Annex II,and the IBC code</td>
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<td>Regulatory Information by Air</td>
<td>Conform to the provisions of the Civil Aeronautics Law.</td>
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<td>Class</td>
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<tr>
<td>Packing Group</td>
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</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 2012/10/03
Revision Date 2018/01/19

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier ODF2−B
Product Code ODF2B00001
Company Name PENTEL CO., LTD.
Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
Company Contact QUALITY ASSURANCE DEPARTMENT 1
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 ink

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards Flammable liquids Category 2
Health Hazards Serious eye damage/eye irritation Category 2A
Carcinogenicity Category 1A
Reproductive toxicity Category 1A
Specific target organ toxicity (single exposure) Category 1(systemic toxicity,central nervous system)
Specific target organ toxicity (single exposure) Category 3(narcotic effect, respiratory tract irritation)
Specific target organ toxicity (repeated exposure) Category 1(liver,blood)
Specific target organ toxicity (repeated exposure) Category 2(respiratory apparatus, central nervous system, spleen)

Environmental Hazards Hazardous to the aquatic environment (acute) Category 3
Hazardous to the aquatic environment (long−term) Category 3
Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word Danger
Hazard Statements H350 May cause cancer
H225 Highly flammable liquid and vapour
H412 Harmful to aquatic life with long lasting effects

(E)NN50,60−B, NX(N)50,60−B, NR2−B, NXS15−B(P), NR3,4−B, NXSINK−B, N850,860−B, N860INK−B, NMS50,51−B, M10U−B
Precautionary Statements

Prevention

Precautionary Statements

Response

Precautionary Statements

Storage

Precautionary Statements

Disposal

Precautionary Statements

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>
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<tbody>
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<td>Ethanol</td>
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<td>Isopropanol</td>
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<td>(2)–207 2–(8)–319</td>
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<td>Acetone</td>
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<td>Benzyl alcohol</td>
<td>5%</td>
<td>C7H5O</td>
<td>(3)–1011 Existing</td>
<td>100–51–6</td>
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</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 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, water spray or regular foam.

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
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; cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.
Allow material to solidify, and scrape up.
After removal, flush contaminated area thoroughly with water.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to Vacuum or sweep up material and place in a disposal container.
Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.
Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

Prevention Measures for Secondary Accidents
Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding 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

Do not eat, drink or smoke when using this product.

Avoid breathing mist, vapours and spray.

Avoid swallowing.

Avoid contact with skin.

Use exhaust ventilation.

Avoid contact with eyes.

Handle at a well-ventilated place.

Protect from high temperature and direct sunlight.

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

The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods. Refer to "Section 10 – STABILITY AND REACTIVITY".

Have containers keep away from direct sunlight and heat.

Keep away from heat.

Store in a tightly closed container.

Store locked up.

Material Used in Packaging/Container

Use containers prescribed in the "Fire Service Law (Japan)" and the "UN Transport Regulations".

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Respiratory Protection

Wear an adequate protective apparatus for respiratory organs.

Hand Protection

Wear protective gloves.

Eye Protection

Wear eye protection.

Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: liquid

Form: liquid

Colour: red

Odour: alcoholic

Odour threshold: No data available

pH: No data available

Melting Point/Freezing Point: No data available

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

Remove thoroughly since the smooth and slippery surface will be formed on the floor.
Initial Boiling Point and Boiling Ranges
Flash Point
Evaporation Rate
Flammability (solid, gas)
Flammability or Explosive Limits
Vapour Pressure
Vapour Density
Specific Gravity (Density)
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 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.
Contaminated Container and Packaging

Commission a waste disposal company, or a local public body who are licensed by local or regional government, 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

<table>
<thead>
<tr>
<th>International Regulations</th>
<th>Regulatory Information by Sea</th>
<th>Regulatory Information by Air</th>
<th>Regulatory Information by Road or Rail</th>
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<td>Marine Pollutant</td>
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</tr>
<tr>
<td>Transport in bulk</td>
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<td>according to MARPOL</td>
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</tbody>
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Regulations in Japan

| Regulatory Information by Sea | Conform to the provisions of the Ship Safety Law. |
| UN No.                       | 1263                                           |
| Proper Shipping Name.        | PAINT                                          |
| Class                         | 3                                              |
| Packing Group                 | II                                             |
| Marine Pollutant              | Not applicable                                 |
| Transport in bulk             | Not applicable                                 |
| according to MARPOL          |                                                |
| 73/78,Annex II, and the IBC code |                                              |

Emergency Response Guide Number

Conform to the provisions of the Civil Aeronautics Law.

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.
## Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

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<td>Product Code</td>
<td>ODF2C00001</td>
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<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>03–5695–7210</td>
</tr>
<tr>
<td>Fax Number</td>
<td>03–5645–8204</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 Number</td>
<td>03–5695–7210</td>
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<td>Recommended Use and Restriction on Use</td>
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## Section 2 - HAZARDS IDENTIFICATION

### GHS Classification

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<thead>
<tr>
<th>Physicochemical Hazards</th>
<th>Flammable liquids Category 2</th>
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<tbody>
<tr>
<td>Health Hazards</td>
<td>Serious eye damage/eye irritation Category 2A</td>
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<td>Reproductive toxicity Category 1A</td>
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<tr>
<td></td>
<td>Specific target organ toxicity (single exposure) Category 2(systemic toxicity, central nervous system)</td>
</tr>
<tr>
<td></td>
<td>Specific target organ toxicity (single exposure) Category 3(narcotic effect, respiratory tract irritation)</td>
</tr>
<tr>
<td></td>
<td>Specific target organ toxicity (repeated exposure) Category 1(liver)</td>
</tr>
<tr>
<td></td>
<td>Specific target organ toxicity (repeated exposure) Category 2(central nervous system, blood)</td>
</tr>
<tr>
<td>Environmental Hazards</td>
<td>Hazardous to the aquatic environment (acute) Category 3</td>
</tr>
<tr>
<td></td>
<td>Hazardous to the aquatic environment (long-term) Category 3</td>
</tr>
<tr>
<td></td>
<td>Other hazards than mentioned above are Not applicable or Classification not possible.</td>
</tr>
</tbody>
</table>

### GHS Label Elements

#### Symbols

![Symbols Image](image)

#### Signal Word

Danger

#### Hazard Statements

- H319 Causes serious eye irritation
- H350 May cause cancer
- H225 Highly flammable liquid and vapour
- H412 Harmful to aquatic life with long lasting effects
Precautionary Statements

Prevention

Wear protective gloves, eye protection and face protection. (P280)

Precautionary Statements

Keep container tightly closed. (P233)
Avoid breathing mist, vapours and spray. (P261)
Keep cool. (P235)
Wash hand 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 INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)
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 and attention if you feel unwell. (P314)
If skin irritation or rash occurs, get medical advice and attention. (P333+P313)
If eye irritation persists: Get medical advice and attention. (P337+P313)

Storage

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

Disposal

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>
<tr>
<td>Ethanol</td>
<td>56.73%</td>
<td>CH3CH2OH</td>
<td>(2)–202 Existing</td>
<td>64–17–5</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>8.89%</td>
<td>CH3CH(OH)CH3</td>
<td>(2)–207 2–(8)–319</td>
<td>67–63–0</td>
</tr>
<tr>
<td>Acetone</td>
<td>0.73%</td>
<td>CH3COCH3</td>
<td>(2)–542 Existing</td>
<td>67–64–1</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>5%</td>
<td>C7H5O</td>
<td>(3)–1011 Existing</td>
<td>100–51–6</td>
</tr>
<tr>
<td>1-ethoxy-2-propanol</td>
<td>10%</td>
<td></td>
<td>(7)–97 Existing</td>
<td>1569–02–4</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 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, water spray or regular foam.

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
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; cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain. Allow material to solidify, and scrape up. After removal, flush contaminated area thoroughly with water. Absorb or cover with dry earth, sand or other non-combustible material and transfer to Vacuum or sweep up material and place in a disposal container. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

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

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

Precautions for Safe Handling
Do not eat, drink or smoke when using this product. Wash hand thoroughly after handling. Avoid breathing mist, vapours and spray. Avoid swallowing. Avoid contact with skin. Use exhaust ventilation. Avoid contact with eyes. Handle at a well-ventilated place. Protect from high temperature and direct sunlight.

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
The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods. Refer to “Section 10 – STABILITY AND REACTIVITY”. Have containers keep away from direct sunlight and heat. Keep away from heat. Store in a tightly closed container. Store locked up.

Material Used in Packaging/Container
Use containers prescribed in the “Fire Service Law (Japan)” and the “UN Transport Regulations”.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal Protective Equipment

Respiratory Protection
Wear an adequate protective apparatus for respiratory organs.

Hand Protection
Wear protective gloves.

Eye Protection
Wear eye protection. Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical State
liquid

Form
liquid

Colour
blue

Odour
alcoholic

Odour threshold
No data available

pH
No data available

Melting Point/Freezing Point
No data available
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Boiling Point and Boiling Ranges</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>7.4°C (Tag Closed Cup)</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></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>Incompatible Substances or Mixtures</td>
<td>No data available</td>
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<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>
<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>Property</th>
<th>Value</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>Property</th>
<th>Value</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.</td>
</tr>
</tbody>
</table>
Contaminated Container and Packaging

Commission a waste disposal company, or a local public body who are licensed by local or regional government, 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

<table>
<thead>
<tr>
<th>Regulatory Information by Sea</th>
<th>UN No.</th>
<th>Proper Shipping</th>
<th>Class</th>
<th>Packing Group</th>
<th>Marine Pollutant</th>
<th>Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conform to the provisions of IMO.</td>
<td>1263</td>
<td>PAINT</td>
<td>3</td>
<td>II</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Regulatory Information by Air

<table>
<thead>
<tr>
<th>UN No.</th>
<th>Proper Shipping</th>
<th>Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>1263</td>
<td>PAINT</td>
<td>3</td>
<td>II</td>
</tr>
</tbody>
</table>

Regulations in Japan

<table>
<thead>
<tr>
<th>Regulatory Information by Road or Rail</th>
<th>UN No.</th>
<th>Proper Shipping</th>
<th>Class</th>
<th>Packing Group</th>
<th>Marine Pollutant</th>
<th>Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conform to the provisions of the Ship Safety Law.</td>
<td>1263</td>
<td>PAINT</td>
<td>3</td>
<td>II</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Emergency Response Guide Number

<table>
<thead>
<tr>
<th>UN No.</th>
<th>Proper Shipping</th>
<th>Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>1263</td>
<td>PAINT</td>
<td>3</td>
<td>II</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

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