Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier  OPF2—W
Product Code  OPF2W00001
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  Serious eye damage/eye irritation Category 2A
  Reproductive toxicity Category 1B
  Specific target organ toxicity (single exposure) Category 1(systemic toxicity, central nervous system)
  Specific target organ toxicity (single exposure) Category 2(liver, respiratory apparatus, kidney)
  Specific target organ toxicity (single exposure) Category 3(narcotic effect, respiratory tract irritation)
  Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus, blood)
  Specific target organ toxicity (repeated exposure) Category 2(liver, nervous system, spleen)
Environmental Hazards  Hazardous to the aquatic environment (acute) Category 2
  Hazardous to the aquatic environment (long-term) Category 2
  Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols

Signal Word  Danger
Hazard Statements  H336 May cause drowsiness or dizziness
  H372 Causes damage to blood, respiratory apparatus through prolonged or repeated exposure
  H225 Highly flammable liquid and vapour
  H319 Causes serious eye irritation
Precautionary Statements

Prevention
Keep container tightly closed. (P233)

Response
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)
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 skin irritation or rash occurs, get medical advice and attention. (P333+P313)

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)

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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</thead>
<tbody>
<tr>
<td>Butyl acetate</td>
<td>19.5%</td>
<td>CH₃COOC₂H₅</td>
<td>(2)–731 (2)–735</td>
<td>2–(8)–226 123–86–4</td>
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<tr>
<td>Isopropanol</td>
<td>14.97%</td>
<td>CH₃CH(OH)CH₃</td>
<td>(2)–207</td>
<td>2–(8)–319 67–63–0</td>
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</tbody>
</table>
Propyleneglycol monomethylether acetate 9.76%  (2)-3144 Existing 108–65–6
Xylene 1.36% C8H10 (3)-3,(3)-60 Existing 1330–20–7
Titanium dioxide 32.73% TiO2 (1)-558 (5)-5225 Existing 13463–67–7
Stoddard solvent 2.73% Unknown Unknown 8052–41–3

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

Skin and Body Protection
Use personal protective clothing and face protection as required.
Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
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<tr>
<td>Physical State</td>
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<tr>
<td>Form</td>
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<tr>
<td>Colour</td>
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<td>Odour</td>
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<td>Flammability (solid, gas)</td>
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<td>Flammability or Explosive Limits</td>
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<td>Vapour Pressure</td>
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<td>Vapour Density</td>
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<tr>
<td>Decomposition</td>
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<td>Temperature</td>
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Section 10 - STABILITY AND REACTIVITY

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<th>Property</th>
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<tr>
<td>Reactivity</td>
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<td>Possibility of Hazardous Reaction</td>
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<td>Conditions to Avoid</td>
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<tr>
<td>Incompatible Substances or Mixtures</td>
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<td>Hazardous Decomposition Products</td>
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Section 11 - TOXICOLOGICAL INFORMATION

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<td>Skin Corrosion/Irritation</td>
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<td>Serious eye damage/eye irritation</td>
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<td>Respiratory Sensitization</td>
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<td>Germ Cell Mutagenicity</td>
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<td>Carcinogenicity</td>
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<td>Reproductive Toxicity</td>
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Section 12 - ECOLOGICAL INFORMATION

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<tr>
<td>Hazardous to the aquatic environment (acute)</td>
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</table>
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.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments. In case of disposal of empty containers, remove the content thoroughly.

Contaminated Container and Packaging

Section 14 – TRANSPORT INFORMATION
International Regulations
Conform to the provisions of IMO.

Regulatory Information by Sea
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

Regulatory Information by Air
UN No. 1263
Proper Shipping Name. PAINT
Class 3
Packing Group II

Regulations in Japan

Conform to the provisions of ICAO/IATA.

Regulatory Information by Road or Rail
Not applicable

Conform to the provisions of the Ship Safety Law.

Regulatory Information by Sea
UN No. 1263
Proper Shipping Name. PAINT
Class 3
Packing Group II
Marine Pollutant Not applicable
<table>
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<th>Transport in bulk</th>
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<td>the IBC code</td>
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<td>Packing Group</td>
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<td>Emergency Response</td>
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**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**

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