Safety Data Sheet (SDS)

Preparation Date  2013/02/05
Revision Date  2017/2/17

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier
ZL-W01
Product Code
ZL-W010001
Company Name
PENTEL CO., LTD.
Address
7-2, KOMICHO, NICHIBASHI, 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
Correction fluids

ZL102-2,W/E/L/LBR/T   ZL102HK2/ME2
ZL103-W/B/F/GG/H/I/J/T/V
ZL112-WC/L/T/X   ZL112WHK
ZL113-WI/P/T
ZL1S6/L   ZLC1S6/L
ZL1-W/K/T   ZLC1-W/HK/L/MA/TS/V
ZL31-W/A/C/GG/HK/K/KN/L/MA/MY/SA/T/TS/X
ZL33T-W/L/T   ZL33-W/HK/L/X
ZL62-W/C/HK/L/LBR/MA/TS/X   ZL63-W/GG/ME/P
ZL72-W/A(T)/G(T)/HK/K(T)/L/LBR/P(T)/S(T)/T
ZL73-WL/LBR/ME/P
ZLC21-W
ZLC31-W/P/T   ZLC31WGG
ZLM1-WT   ZLM21-WX
ZL61S-WBS

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards
Flammable liquids Category 2

Health Hazards
Acute toxicity – inhalation (vapour) Category 4
Serious eye damage/eye irritation Category 2B
Carcinogenicity Category 2
Specific target organ toxicity (single exposure) Category 3(narcotic effect)

Environmental Hazards
Hazard to the aquatic environment (acute hazard) Category 2
Hazard to the aquatic environment (long-term hazard) Category 2
Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements

Symbols

Signal Word
Danger

Hazard Statements
H225 Highly flammable liquid and vapour
H320 Causes eye irritation
H332 Harmful if inhaled
H336 May cause drowsiness and dizziness
H351 Suspected of causing cancer
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements
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>1-Propanol, 2-methyl-</td>
<td>0.4%</td>
<td>C4H10O</td>
<td>(2)–3049 Existing</td>
<td>78–83–1</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td>42.4%</td>
<td>C7H14</td>
<td>(3)–2230 Existing</td>
<td>108–87–2</td>
</tr>
<tr>
<td>Titanium dioxide(IV)</td>
<td>40.5%</td>
<td>TiO2</td>
<td>(1)–558,(5)–5225 Existing</td>
<td>13463–67–7</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>1.3%</td>
<td>SiO2</td>
<td>(1)–548 Existing</td>
<td>7631–86–9</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the

Section 4 – FIRST AID MEASURES

Inhalation: Get medical advice and attention if you feel unwell.

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.

Skin Contact: Call a doctor if you feel unwell.

Wash with plenty of soap and water.

If skin irritation 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.

Unsuitable Extinguishing Media: Straight streams.

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

Environmental Precautions

Methods and Equipment for Containment and Cleaning up

Prevention Measures for Secondary Accidents

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

Pay attention not to cause the influence on the environment by discharging into rivers.

Allow material to solidify, and scrape up.

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

Section 7 - HANDLING AND STORAGE

Handling Technical Measures

Precautions for Safe Handling

Imcompatible Substances or Mixtures

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

Prevent use of heat, sparks, and fire in the surrounding area.

Avoid contact with eyes and skin.

Avoid swallowing.

Wash hand thoroughly after handling.

Handle at a well-ventilated place.

Prevents Handling of Refer to “Section 10 - STABILITY AND REACTIVITY”.

Protects against unacceptable secondary accidents.

Protects against unacceptable secondary accidents.

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”.

Store in a well-ventilated and cool place keeping container tightly closed.

Store locked up.

Keep only in original container.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Personal Protective Equipment

Respiratory Protection

Hand Protection

Eye Protection

Skin and Body Protection

Good general ventilation should be sufficient to control airborne levels.

Use personal respiratory equipment as required.

Use personal gloves as required.

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

Use personal eye protection as required.

Use personal protective clothing and face protection as required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

liquid

Form

liquid

Colour

white

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

~4.4°C (Tag Closed Cup)

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Flammability or Explosive Limits

Lower Limit

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

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

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

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

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste
Contaminated Container and Packaging

Section 14 – TRANSPORT INFORMATION
International Regulations
Regulatory Information by Sea UN No.
Proper Shipping Class
Packing Group

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. Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.
Marine Pollutant Transport in bulk 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
Regulatory Information by Road or Rail
Regulatory Information by Sea
UN No. 1263
Proper Shipping Name. PAINT
Class 3
Packing Group II
Marine Pollutant Transport in bulk 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
Emergency Response Guide Number 128

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.