

SAFETY DATA SHEET

1. Product and company (manufacturer) identification

Product:

Manufacturer:

Address:

Responsible section:

Telephone:

Urgent telephone:

Fax:

Urgent contact:

Recommended use of the chemical and restrictions on use:

Document number:

ESLON KATSUZAI No.1

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Urban Infrastructure & Environmental Products Company

Infrastructure and Building Pipe Systems Division

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Same as above

Lubricant for polyvinyl chloride piping system (Do not use for waterworks.)

Other applications are prohibited.

KA-01

2. Hazards identification

GHS Classification

Label elements

Physicochemical hazards:

Health hazards:

Pictogram or symbol:

Signal word:

Hazard statement:

Precautionary statement:

Not Classified

Not Classified

No symbol

No signal word

No hazard statement

Not applicable

3. Composition/information on ingredients

Nature of composition:

Chemical or common name:

Mixture

Lubricant of natural vegetable oil

Component	Content	CAS Number	Reference Number in Gazetted List in Japan	Others
Castor oil	85 to 94 %	8001-79-4	-	
Glycerol	1 to 10 %	56-81-5	(2)-242	
Amorphous silica	1 to 10 %	112945-52-5	(1)-548	

※The content is listed as a range as it is confidential information.

4. First-aid measures

If vapor is inhaled:

If attached to skin:

If gets in eye:

If swallowed:

Special note to physician:

Take the affected person to a clean-air space and give him rest in a easy-breathing pose. Seek physician's counsel as may be needed.

Wash the local skin immediately. Take off the contaminated clothing's for cleaning. Seek physicians counsel if he suffers from irritation or drowsiness.

Thoroughly wash the eye with clean water for a several minutes. Remove contact lens if easily removable. Continue washing after removal. Seek physician's counsel.

Immediately wash the mouth with water. Immediately seek physician's counsel. Do not compel the victim to vomit.

No information

5. Fire-fighting measures

Extinguishing agents:

Prohibited extinguishing agent:

Proper extinguishing method:

Carbon dioxide, powder agent, foam agent

Water flux

Remove surrounding combustibles and use extinguishing agents.  
Use foam agent to choke a large scale fire.  
Spray water over the neighborhood to cool and prevent fire spread.  
Fight against fire standing to its windward as much as possible and wear breathing aid if necessary.

6. Accidental release measures

Health hazard precaution, protective wear and first-aid:

Environmental hazard precaution:

Recovery and neutralization:

Prevention of secondary casualty:

Workers should use protective wears (See Chapter 8) to prevent contact with the spilt adhesive and inhalation of its vapor. Rope off the crowd from the leak spot. Work from the windward and evacuate the leeward crowd. In case of indoor leakage, ventilate as much as possible until the cleaning is completed.

Prevent flow out to rivers, etc. so as not to badly affect the environment.

Use absorbent (sawdust, dirt, sand, waste rug) to remove most of the spill and wipe off the rest using waste rug.

Quickly remove all the combustibles from around the leak spot and provide extinguishers ready for use.

**7. Handling and storage precautions****Handling****Technical measures:**

Use personal protective equipment as required.

**Local & total ventilation:**

Handling work must be practiced in a room where local or total ventilation facility is functioning.

**Safe handling:**

Ban of high temperature substance, sparking and fire at nearby points.  
 Prohibition of eating, drinking and smoking while the product is used.  
 Wash hands well after handling.  
 Avoid contact of the product with eye, skin and clothing.  
 Handle it only after reading and understanding all the precautions.  
 Use the product only in a well ventilated room or outdoors.

**Storage****Storing conditions:**

Store in a remote room from heat, sparks and naked flame. No smoking in the storage room. Store in a cool, ventilated room.

**8. Exposure controls and personal protection****Equipment disposal:**

Use in a well-ventilated area. Set up eye washing devices and hand wash station in a handling area.

**Standard control concentration:**

Not reported

**Threshold limit value:**

Not reported

**Individual protection measurer****Respiratory protection:**

None under normal conditions.

**Hand protection:**

Impermeable gloves

**Eye protection:**

Safety glasses

**Skin protection:**

Long-sleeve fatigue uniform

**Sanitary disposal:**

Wash hands thoroughly after handling.

**9. Physical and chemical properties****Physical state, form:**

Paste

**Color:**

Light yellow, translucent

**Odor:**

Oil and fat smell

**Melting point/freezing point:**

No data available

**Bp, initial bp & boiling range:**

No data available

**Flammability:**

Flammable

**Evaporation rate:**

No data available

**Flash point:**

ca. 160°C

**Auto ignition point:**

ca. 370°C

**Decomposition temperature:**

No data available

**pH:**

Not applicable

**Dynamic viscosity:**

No data available

**Solubilities:**

Insoluble in water

**n-Octanol/water partition coefficient: (log Pow)**

No data available

**Vapor pressure:**

No data available

**Specific gravity (density):**

ca. 1.0 (20°C)

**Vapor density:**

No data available

**Particle characteristics:**

No data available

**Non-volatile content:**

ca. 95%

**10. Stability and reactivity****Stability:**

Stable under normal handling conditions.

**Chemical stability:**

Stable under normal handling conditions.

**Possibility of hazardous reactions:**

Stable under normal handling conditions.

**Incompatible materials:**

Heats up by contacting with alkali.

**Hazardous decomposition products:**

Combustion generates carbon monoxide and carbon dioxide.

**11. Hazard information****Acute toxicity (oral)**

LD50 &gt; 5000mg/kg, Not classified

**Acute toxicity (dermal)**

No data available

**Acute toxicity (inhalation: gas)**

No data available

**Acute toxicity (inhalation: vapor)**

No data available

**Acute toxicity (inhalation: dust and mist)**

No data available

**Skin corrosion/irritation**

No data available

**Eye damage/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

**12. Ecological information**

<b>Hazard to the aquatic environment (Acute hazard):</b>	Cannot be classified due to lack of data
<b>Hazard to the aquatic environment (Long-term hazard):</b>	Cannot be classified due to lack of data
<b>Ecotoxicity:</b>	No information
<b>Persistence/degradability:</b>	No information
<b>Ecological accumulative property:</b>	No information
<b>Mobility in soil:</b>	No information
<b>Hazard to the ozone layer:</b>	Does not contain any ingredient listed in the Annexes to the Montreal Protocol. Classification not possible.

**13. Notes on disposal**

<b>Residual &amp; waste:</b>	In the disposal of residual and other wastes, observe the relevant laws /regulations and local government rules. Users of the product should contract with the local government or licensed 'Industrial Waste Processors' for disposal of waste. It is important to let the contractor know well of fire and health hazards of the product, prior to disposal.
<b>Contaminated containers &amp; packages:</b>	Clean the containers for reuse or dispose them properly in accordance with relevant regulations and local government rules. Completely empty containers prior to disposal.

**14. Transport information**

<b>International rule</b>	
<b>UN number:</b>	Not applicable
<b>UN classification:</b>	Not applicable
<b>Packing group:</b>	Not applicable
<b>Land transportation:</b>	Accordance with Fire Service Act/Industrial Safety and Health Act and so forth.
<b>Marine transportation:</b>	Accordance with Law for Safety of Vessels.
<b>Air transportation:</b>	Accordance with Civil Aeronautics Act.
<b>Sea Pollution Prevention Act</b>	Harmful liquid material The enforcement order separate table first; Z Group (Glycerol) However, it is not applicable when net weight in one container is 5L or less.
<b>Measure for safety:</b>	Ensure no leakage before loading. Do not tumble, drop and crash the package during loading.

**15. Regulatory information**

<b>Labor Safety and Hygiene Law:</b>	Hazardous materials to be notified to the authority (Chapter 57, Section 2) Not applicable Hazardous materials to be posted (Chapter 18 of Ordinance) Not applicable 2nd class organic solvents (Solvent Addiction Prevention Rule, Clause 1.1.4) Not applicable Carcinogenicity of chemical substances (Ordinance on Industrial Safety and Health Chapter 34,Section 2-4) Not applicable Chemical substances that cause skin and other skin disorders (related to Article 22 of the Law). Not applicable
<b>Fire Defense Law:</b>	Designated combustible material (Combustible solids), 3000kg over.
<b>PRTR Law:</b>	Not applicable
<b>Poisonous &amp; Deleterious Substance Control Law:</b>	Not applicable
<b>Sea Pollution Prevention Act</b>	Harmful liquid material The enforcement order separate table first; Z Group Glycerol However, it is not applicable when net weight in one container is 5L or less.

**16. Other information**

<b>Literature:</b>	1) Chemicals Safety Data Sheet (MSDS) Part 1: Content and Order of Items 2) Guideline for MSDS Edition (Revised Edition) by Japan Chem. Ind. Assoc. 3) GHS Classification Database, Site of National Institute of Technology and Evaluation 4) Hazard Handbook of Chemicals by Japan Industrial Safety and Health Association 5) Hazard communication of chemicals based on GHS-Labelling and Safety Data Sheet (SDS) JIS Z 7253:2019
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This data sheet is edited by referring to currently available information, however, it is not intended to guarantee the data values or the precision of contained information. The precautions mentioned above are for ordinary handling and use only therefore please handle with care by implementing appropriate safety measures for new application and usage.