

SAFETY DATA SHEET

1. Product and company (manufacturer) identification

Product: ESLON KATSUZAI No.1
Manufacturer: Sekisui Chemical Co., Ltd.
Address: Toranomon 2-10-4, Minato-ku, Tokyo 105-8566
Responsible section: Urban Infrastructure & Environmental Products Company
Telephone: +81-3-6748-6492
Urgent telephone: +81-3-6748-6492
Fax: +81-3-6748-6564
Urgent contact: Same as above
Recommended use of the chemical and restrictions on use: Lubricant for polyvinyl chloride piping system (Do not use for waterworks.)
Document number: Other applications are prohibited.
Document number: KA-01

2. Hazards identification

GHS Classification

Physicochemical hazards:	Not Classified
Health hazards:	Not Classified
Label elements	
Pictogram or symbol:	No symbol
Signal word:	No signal word
Hazard statement:	No hazard statement
Precautionary statement:	Not applicable

3. Composition/information on ingredients

Nature of composition: Mixture
Chemical or common name: 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: 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.
If attached to skin: Wash the local skin immediately. Take off the contaminated clothing's for cleaning. Seek physicians counsel if he suffers from irritation or drowsiness.
If gets in eye: 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.
If swallowed: Immediately wash the mouth with water. Immediately seek physician's counsel. Do not compel the victim to vomit.
Special note to physician: No information

5. Fire-fighting measures

Extinguishing agents: Carbon dioxide, powder agent, foam agent
Prohibited extinguishing agent: Water flux
Proper extinguishing method: 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: 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.
Environmental hazard precaution: Prevent flow out to rivers, etc. so as not to badly affect the environment.
Recovery and neutralization: Use absorbent (sawdust, dirt, sand, waste rug) to remove most of the spill and wipe off the rest using waste rug.
Prevention of secondary casualty: 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.
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8. Exposure controls and personal protection

Equipment disposal:

Standard control concentration:

Threshold limit value:

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:

Chemical stability:

Possibility of hazardous reactions:

Incompatible materials:

Hazardous decomposition products:

Stable under normal handling conditions.

Stable under normal handling conditions.

Stable under normal handling conditions.

Heats up by contacting with alkali.

Combustion generates carbon monoxide and carbon dioxide.

11. Hazard information

Acute toxicity (oral)	LD50>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

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

13. Notes on disposal

Residual & waste:	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.
Contaminated containers & packages:	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**International rule**

UN number:	Not applicable
UN classification:	Not applicable
Packing group:	Not applicable
Land transportation:	Accordance with Fire Service Act/Industrial Safety and Health Act and so forth.
Marine transportation:	Accordance with Law for Safety of Vessels.
Air transportation:	Accordance with Civil Aeronautics Act.
Sea Pollution Prevention Act	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. Ensure no leakage before loading. Do not tumble, drop and crash the package during loading.
Measure for safety:	

15. Regulatory information**Labor Safety and Hygiene Law:**

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
Designated combustible material (Synthetic resins), 3000kg over.
Fire Defense Law:
Not applicable
PRTR Law:
Not applicable
Poisonous & Deleterious Substance Control Law:
Not applicable
Sea Pollution Prevention Act
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**Literature:**

- 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

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.