Implementation: 2013-10-1
Revision: 2015-9-1

SAFETY DATA SHEET

1. Product and company(manufacturer) identification

Product: ESLON KATSUZAI No.1
Manufacturer: Sekisui Chemical Co., Ltd.
Address: Toranomon 2-3-17, Minato-ku, Tokyo 105-8450
Responsible section: Urban Infrastructure & Environmental Products Company Waterworks and Sewerage Division
Telephone: 03-5521-0756
Urgent telephone: 03-5521-0756
Fax: 03-5521-0557
Urgent contact: same as above
Recommended use of the chemical and restrictions on use: Lubricant agent(Do not use for waterworks.) Other applications are prohibited.
Document number: KA-01

2. Hazards identification

GHS Classification
Physicochemical hazards: Classification not possible/Not applicable
Health hazards: Classification not possible/Not applicable
Environmental hazards: Classification not possible/Not applicable
Label elements
Pictogram or symbol: No symbol
Signal word: No signal word
Hazard statement: No hazard statement
Precautionary statement: N.A.

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
fatty acid ester	85 to 95 %	8001-79-4		
polyhydric alcohol	1 to 10 %	56-81-5	(2)-242	
silica	1 to 10 %	112945-52-5	(1)-548	

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 him 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 river, 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.

8. Exposure controls and personal protection

Equipment disposal:	Use in a well-ventilated area. Set up eye washing devices and hand wash station
Standard control concentration:	Not reported
Threshold limit value:	Not reported
Individual protection measurer	
Respiratory protection:	None under normal conditions.
Hand protection:	Latex gloves
Eye protection:	Safety glasses
Skin protection:	long-sleeve fatigue uniform
Sanitary disposal:	Wash hands thoroughly after handling.

9. Physical and chemical properties

Appearance:	Paste (Light yellow translucence)
Odor:	Oil and fat smell
pH:	No data
Initial boiling point and boiling range:	No data
Flash point:	Approx. 160℃
relative density:	Approx. 1.0 (at 20℃)
spontaneous ignition temperature:	Approx. 370℃

10. Stability and reactivity

Chemical stability:	Stable at normal handling conditions.
Possibility of hazardous reactions:	No data
Conditions to avoid:	Avoid heat, flames and other sources of ignition.
Incompatible materials:	It will generate heat, if alkali is mixed.
Hazardous decomposition products:	Combustion generates carbon monoxide and carbon dioxide.

11. Hazard information

Acute toxicity (oral)	LD50＞5000mg/kg
Acute toxicity (dermal)	No data
Acute toxicity (inhalation: gas)	No data
Acute toxicity (inhalation: vapor)	No data
Acute toxicity (inhalation: dust and mist)	No data
Skin corrosion/irritation	No data
Eye damage/irritation	No data
Respiratory sensitization	No data
Skin sensitization	No data
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
Specific target organ toxicity (single exposure)	No data
Specific target organ toxicity (repeated exposure)	No data
Aspiration hazard	No data

12. Ecological information

Hazard to the aquatic environment(Acute hazard):	No data
Hazard to the aquatic environment(Long-term hazard):	No data
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 regulations: Not listed
UN number: Not listed
UN division: Not listed
Measure for safety: Ensure no leakage before loading. Do not tumble, drop and crash the package during loading.

National regulations, Japan: Not listed
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 non-corresponded when net weights of one container are less than 5L

15. Regulatory information

Labor Safety and Hygiene Law:
Hazardous materials to be notified to the authority (Chapter 57, Section 2)
(Silica)
Hazardous materials to be posted (Chapter 18 of Ordinance)
(Not applicable)

Fire Defense Law: Designated combustible material, Synthetic resins, 3000kg over.
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 non-corresponded when net weights of one container are less than 5L

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 7253:2012

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.