

Implementation: Jun. 1, 2024

Issue date: Jun. 1, 2024

SAFETY DATA SHEET

1. Product and company (manufacturer) identification

Product: ESLON KATSUZAI No.2
Manufacturer: Sekisui Chemical Co., Ltd.
Address: Toranomom 2-10-4, Minato-ku, Tokyo 105-8566
Responsible section: Urban Infrastructure & Environmental Products Company
 Pipe Systems Division
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.)
 Other applications are prohibited.
Document number: KA-02

2. Hazards identification

GHS Classification

Physicochemical hazards:	Explosives	Not Classified	
	Flammable gases	Not Classified	
	Aerosols and chemicals under pressure	Not Classified	
	Oxidizing gases	Not Classified	
	Gases under pressure	Not Classified	
	Flammable liquids	Not Classified	
	Flammable solids	Not Classified	
	Self-reactive substances and mixtures	Not Classified	
	Pyrophoric liquids	Not Classified	
	Pyrophoric solids	Not Classified	
	Self-heating substances and mixtures	Classification not possible	
	Substances and mixtures which, in contact with water, emit flammable gases	Not Classified	
	Oxidizing liquids	Not Classified	
	Oxidizing solids	Not Classified	
	Organic peroxides	Not Classified	
	Corrosive to metals	Not Classified	
	Desensitized explosives	Classification not possible	
	Health hazards:	Acute toxicity (oral)	Classification not possible
		Acute toxicity (dermal)	Classification not possible
		Acute toxicity (inhalation: gas)	Not Classified
		Acute toxicity (inhalation: vapor)	Classification not possible
		Acute toxicity (inhalation: dust and mist)	Classification not possible
		Skin corrosion/irritation	Classification not possible
Eye damage/irritation		Category 2B	
Respiratory sensitization		Classification not possible	
Skin sensitization		Classification not possible	
Germ cell mutagenicity		Classification not possible	
Environmental hazards:	Carcinogenicity	Category 1A	
	Reproductive toxicity	Category 1A	
	Specific target organ toxicity (single exposure)	Category 3 (narcotic effect, respiratory tract irritancy)	
	Specific target organ toxicity (repeated exposure)	Category 1 (liver)	
	Aspiration hazard	Not Classified	
	Hazard to the aquatic environment (Acute hazard)	Not Classified	
	Hazard to the aquatic environment (Long-term hazard)	Not Classified	
Hazard to the ozone layer	Classification not possible		

Pictogram or symbol:



Signal word:

Danger

Hazard statement:

(H320) Eye irritation
 (H350) May cause cancer.
 (H360) May damage fertility or the unborn child.
 (H335) May cause respiratory irritation.
 (H336) May cause drowsiness or dizziness.
 (H372) Causes damage to liver through prolonged or repeated exposure.
 (H373) May cause damage to nerve system through prolonged or repeated exposure.

Precautionary statement:

Obtain special instructions before use. (P201)
 Do not handle until all safety precautions have been read and understood. (P202)
 Do not breathe mist/vapors/spray. (P260)
 Avoid breathing mist/vapors/spray. (P261)
 Wash hands and eyes thoroughly after handling. (P264)
 Do not eat, drink or smoke when using this product. (P270)
 Use only outdoors or in a well-ventilated area. (P271)
 Wear protective gloves/eye protection/face protection. (P280)
 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 exposed or concerned: Get medical advice/attention. (P308+P313)
 Call a POISON CENTER or doctor/physician if you feel unwell. (P312)
 Get medical advice/attention if you feel unwell. (P314)
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)
 If eye irritation persists: Get medical advice/attention. (P337+P313)
 Store in a well-ventilated place. Keep container tightly closed. (P403+P233)
 Store locked up. (P405)
 Dispose of contents/container in accordance with local/regional/national/international regulations. (P501)

3. Composition/information on ingredients**Nature of composition:**

Mixture

Chemical or common name:

Natural vegetable oil-based lubricant

Component	Content	CAS Number	Reference Number in Gazetted List in Japan	Others
Vegetable oil	20 to 30%	Registered	Registered	
Higher fatty acid alkali salt	40 to 50%	Registered	Registered	
Ethanol	10 to 20%	64-17-5	(2)-202	
Water	20 to 30%	7732-18-5	-	

* 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:	It's not toxic but sticky. 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:	Use in a well-ventilated area when using indoor.
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:	Brown
Odor:	Oil and fat smell
Melting point/freezing point:	No data available
Bp, initial bp & boiling range:	330°C or above
Flammability:	Flammable
Evaporation rate:	No data available
Flash point:	250°C or above
Auto ignition point:	Not applicable
Decomposition temperature:	No data available
pH:	Not applicable
Dynamic viscosity:	No data available
Solubilities:	Partially soluble in water
n-Octanol/water partition coefficient: (log Pow)	No data available
Vapor pressure:	No data available
Specific gravity (density):	0.8 – 0.95 (20°C)
Vapor density:	No data available
Particle characteristics:	No data available

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 > 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	The product contains more than 10% in total of Category 2B components, so falls in Category 2B.
Respiratory sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	The product contains more than 0.1% in total of Category 1A components, so falls in Category 1A.
Reproductive toxicity	The product contains more than 0.1% in total of Category 1A components, so falls in Category 1A.
Specific target organ toxicity (single exposure)	The product contains more than 20% in total of Category 3 components, so falls in Category 3.
Specific target organ toxicity (repeated exposure)	The product contains more than 10% in total of Category 1 components, so falls in Category 1. The product contains more than 10% in total of Category 2 components, so falls in Category 2.
Aspiration hazard	No data available

12. Ecological information

Hazard to the aquatic environment (Acute hazard):	Not classified as the mixture.
Hazard to the aquatic environment (Long-term hazard):	Not classified as the mixture.
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
Sea Pollution Prevention Act	Not applicable
Land transportation:	Accordance with Fire Service Act.
Marine transportation:	Accordance with Law for Safety of Vessels.
Air transportation:	Accordance with Civil Aeronautics Act.
Measure for safety:	Ensure no leakage before loading. Do not tumble, drop and crash the package during loading.

15. Regulatory information

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

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
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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.