




SAFETY DATA SHEET

1. Product and company(manufacturer) identification

Product: Eslotight Primer
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
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Urgent contact: same as above
Document number: Es-P

2. Hazards identification

GHS Classification

Physicochemical hazards:	Explosives	Not applicable
	Flammable gases (including chemically unstable gases)	Not applicable
	Aerosols	Not applicable
	Oxidizing gases	Not applicable
	Gases under pressure	Not applicable
	Flammable liquids	Category 2
	Flammable solids	Not applicable
	Self-active chemicals	Not applicable
	Pyrophoric liquids	Not Classified
	Pyrophoric solids	Not applicable
	Self-heating chemicals	Classification Not Possible
	Chemicals which, in contact with water, emit flammable gases	Not applicable
	Oxidizing liquids	Not applicable
	Oxidizing solids	Not applicable
	Organic peroxides	Not applicable
	Substances corrosive to metals	Not Classified
	Health hazards:	Acute toxicity (oral)
Acute toxicity (dermal)		Not Classified
Acute toxicity (inhalation: gas)		Not applicable
Acute toxicity (inhalation: vapor)		Category 5
Acute toxicity (inhalation: dust and mist)		Classification Not Possible
Skin corrosion/irritation		Category 2
Eye damage/irritation		Category 2B
Respiratory sensitization		Classification Not Possible
Skin sensitization		Classification Not Possible
Germ cell mutagenicity		Not Classified
Carcinogenicity		Not Classified
Reproductive toxicity		Not Classified
Specific target organ toxicity (single exposure)		Category 1 (central nerve system) Category 2(kidney) Category 3 (Respiratory tract irritation)
Environmental hazards:	Specific target organ toxicity (repeated exposure)	Category 1 (central & peripheral nerve systems)
	Aspiration hazard	Category 2
	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:	<p>Highly flammable liquid and vapor May be harmful if swallowed May be harmful if inhaled Causes skin irritation Causes eye irritation Causes damage to central nerve system May cause damage to kidney . May cause respiratory irritation Causes damage to central and peripheral nerve systems, by elongated or repeated exposure</p>
Precautionary statement:	<p>May be fatal if swallowed and enters airways The product may cause skin affection or intoxication if touched to the skin or inhaled the vapor. Please observe the precautions given below and refer to the SDS and the instruction sheet for safe handling. Provide local ventilation facility in the work place. Do not spill the adhesive when taking out of or returning to the container. Avoid skin contact during handling and wear Eyeglasses , long-sleeved shirts and gloves. Use respirator as needed. Wash hands and gargle sufficiently after handling. Close the cap of container tightly and store it in a cool, dark space. If the adhesive touched to skin, wipe the local spot immediately and wash well using soap. If itch or inflammation is felt, seek physician's counsel. In case the adhesive enters in eye or in case drowsiness is caused by inhalation or erroneous swallow is felt, immediately seek physicians council. Do not use the adhesive near fire. Never use the adhesive for other purposes than intended.</p>

3. Composition/information on ingredients

Nature of composition: Mixture
 Chemical or common name: Primer, containing vinyl chloride-vinyl acetate copolymer

Component	Content	CAS Number	Reference Number in Gazetted List in Japan	Others
Methyl ethyl ketone	90 to 99 %	78-93-3	(2)-542	
Resin (VC-VAc copolymer, etc.)	1 to 10 %	Non Disclosure	Non Disclosure	

4. First-aid measures

If vapor is inhaled:	<p>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.</p>
If touched to skin:	<p>Wash the skin immediately with a lot of water and soap. Take off the contaminated clothing's for cleaning. Seek physicians counsel if he suffers from irritation or drowsiness.</p>
If gets in eye:	<p>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.</p>
If swallowed:	<p>Immediately wash the mouth with water. Immediately seek physician's counsel. Rinse the mouth well and drink a lot of water to vomit.</p>
Anticipated acute & chronic symptoms:	<p>Irritation to respiratory organs, cough and gasp, when inhaled. Irritation to digestive organs, bake, vomit and diarrhea, when swallowed. Skin irritation, defatting, eye irritation, reddening and ache, when contacted. Anesthesia, headache, drowsiness, restricted vision, vomit, diarrhea and loss of consciousness, when over-exposed to vapor.</p>
Protection of first-aid provider:	<p>First-aid provider should use protective wears such as organic solvent mask, when the circumstances require.</p>
Special note to physician:	<p>No information</p>

5. Fire-fighting measures

Extinguishing agents:	<p>Carbon dioxide, powder agent, foam agent</p>
Prohibited extinguishing agent:	<p>Water flux</p>
Specific hazards:	<p>Fire may cause to generate irritant, toxic or erosive gas. Easily flammable. It will readily be ignited by heat, spark or flame. Heating of container may cause explosion. Easily inflammable liquid and vapor.</p>
Proper extinguishing method:	<p>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 Respirator if necessary.</p>

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: Recovery and neutralization:	Prevent flow out to river, etc. so as not to badly affect the environment. For small scale leakage, use absorbent (sawdust, dirt, sand, waste rug) to remove most of the spill and wipe off the rest using waste rug. For large scale leakage, build bank around the spill and lead the liquid to a safer place for recovery.
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 protective wears if inhalation or skin contact is foreseen. Fire ban.
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. Do not inhale vapor, mist and spray of the product. 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. Lock the storage room.
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8. Exposure controls and personal protection

Facility measures:	Local ventilation of closed work room or total proper ventilation to prevent vapor inhalation. Methyl ethyl ketone
Control concentration:	200 ppm
Permissible concentration (Exposure limit, Biological exposure guide line)	
Japan society for occupational health. (2005 version)	200 ppm
ACGIH (2005 version) TLV-TWA	200 ppm
Protective wears:	
Respiratory protection:	Use aspirator with appropriate filter
Hand protection:	Impermeable gloves
Eye protection:	Solvent-resistant goggles
Skin and body protection:	long-sleeve fatigue uniform
Hygienic measures:	Wash hands well after handling.

9. Physical and chemical properties

Physical state, form, color:	Light yellow transparent liquid
Odor:	Characteristic stimulative odor
pH:	Not applicable
Bp, initial bp & boiling range	80°C (bp)
Flash point:	-9°C (Closed Method)
Specific gravity (density):	c. 0.80
Auto ignition point:	400°C
Viscosity:	c. 10 mPa-s

10. Stability and reactivity

Stability:	Stable under normal conditions and handling.
Possibility of hazardous reaction:	Vigorously reacts with strong oxidizing agents and ignites.
Prohibitive conditions:	Heat
Prohibitive contact:	With oxidizing agent
Hazardous decomposed substances:	Generates Aldehyde, Acid and Organic matter by thermal decomposition.

11. Hazard information**Acute toxicity:**

Acute toxicity(oral): Measurements of compound ATE mix=2483mg/kg
The product, as a mixture, falls in Category 5 (May be harmful if swallowed)

Acute toxicity(dermal): Measurements of compound ATE mix=>5000mg/kg
The product, as a mixture, falls in Not Classified

Acute toxicity(inhalation: vapor): Measurements of compound ATE mix=11700ppm
The product, as a mixture, falls in Category 5 (May be harmful if inhaled)

Skin corrosion/irritation:**Eye damage/irritation:****Respiratory sensitization:****Skin sensitization:****Germ cell mutagenicity:****Carcinogenicity:****Reproductive toxicity:****Specific target organ toxicity
(single exposure):****Specific target organ toxicity
(repeated exposure):****Aspiration hazard:**

The product, as a mixture, falls in Category 2 (Causes skin irritation).

The product, as a mixture, falls in Category 2B (Causes eye irritation).

Respiratory organ sensitization: No available data.

Skin sensitization: No available data.

The product, as a mixture, falls in Not Classified

The product, as a mixture, falls in Not Classified

The product, as a mixture, falls in Not Classified

The product contains single-exposure toxic substances of the following Categories:
Methyl ethyl ketone (90~99%) >1%, Category 1 (Central nerve system), Category 2 (Kidney) and Category 3 (May cause respiratory irritation).

The product contains multiple-exposure toxic substances of the following Categories:
Methyl ethyl ketone (90~99%) >1%, Category 1 (Central and peripheral nerve systems).

the kinematic viscosity at 40°C is less than 14mm²/s:
The product, as a mixture, falls in Category 2

12. Ecological information

Hazard to the aquatic environment(Acute hazard): Not Classified

Hazard to the aquatic environment(Long-term hazard): Not Classified

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:****UN classification:****Container Grade****Sea Pollution Prevention Act**

1133 (Adhesive, containing inflammable liquid)

Class 3 (inflammable liquid)

II

Harmful liquid material

The enforcement order separate table first; Z Group
(methyl ethyl ketone)

However, it is non-corresponded when net weights of one container are less than 5L

Domestic control:**Guidance Number****Onshore control info.****Offshore control info.****Air cargo control info.****Special safety measure:**

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Observe the Fire Defense Law.

Observe the Marine Vessel Safety Law.

Observe the Aviation Law.

Observe the Fire Defense Law.

On-board containers of hazardous material must be piled firmly and orderly to avoid falling, tumbling and breaking.

Cargo of hazardous material must be transported in a way the containers or the material itself do not suffer severe friction and vibration.

If possible cause of casualty, such as heavy leakage, is found during transportation, try to remedy the situation and notify the fact to the nearby fire department or the relevant bureau.

The driver carrying hazardous material must hold Yellow Card.

Do not load hazardous materials together with food and feedstuff.

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

Hazardous materials to be notified to the authority (Chapter 57, Section 2)

(methyl ethyl ketone)

Hazardous materials to be posted (Chapter 18 of Ordinance)

(methyl ethyl ketone)

2nd class organic solvents (Solvent Addiction Prevention Rule, Clause 1.1.4)

(methyl ethyl ketone)

Fire Defense Law:

No. 4 Haz-Mat, No.1 Petroleum, Non-water soluble liquid (Hazard Degree II)

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

(methyl ethyl ketone)

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-Labeling 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.