SDS Eslon #83S White 1/7

Implementation: Dec. 20, 2011 Issue Date: Apr. 1, 2025

SAFETY DATA SHEET

1. Product and company (manufacturer) identification

Product: Manufacturer:

Address:

Responsible section:

Telephone: Urgent telephone: Fax: Urgent contact:

Health hazards:

Application & restriction

Document number:

2. Hazards identification

GHS Classification

Physicochemical hazards:

ESLON Adhesive No.83S White Sekisui Chemical Co., Ltd. Toranomon 2-10-4, Minato-ku, Tokyo 105-8566 Urban Infrastructure & Environmental Products Company Infrastructure and Building Pipe Systems Division +81-3-6748-6492 +81-3-6748-6492 +81-3-6748-6564 Same as above Adhesive for polyvinyl chloride piping system Other applications are prohibited. #83S White

Explosives Flammable gases Aerosols and chemicals under	Not classified Not classified Not classified
pressure Oxidizing gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and	Not classified Not classified Category 2 Not classified Not classified
mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures	Not classified Not classified Classification not possible
Substances and mixtures which, in contact with water, emit flammable gases	Not classified
Oxidizing liquids Oxidizing solids Organic peroxides Corrosive to metals Desensitized explosives	Not classified Not classified Not classified Not classified Classification not possible
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation: gas) Acute toxicity (inhalation: vapor) Acute toxicity (inhalation: dust and mist)	Category 4 Category 4 Not classified Category 4 Classification not possible
Skin corrosion/irritation Eye damage/irritation Respiratory sensitization Skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity (single exposure)	Category 2 Category 2A Not classified Category 1 Category 2 Category 2 Category 2 Category 1 (respiratory system, central nervous system)
	Category 2 (kidneys)

Specific target organ toxicity (repeated exposure)

Aspiration hazard

Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (liver, respiratory, bones, central nervous system, nervous system)

Not classified

Environmental hazards:	Hazard to the aquatic environment (Acute hazard)	Not classified
	Hazard to the aquatic environment (Long-term hazard)	Not classified
	Hazard to the ozone layer	Not classified
	\wedge	
Pictogram or symbol:		
Signal word:	Danger	•
Hazard statement:	-	wed, in contact with skin or if inhaled. apor.
	(H315) Causes skin irritation.	
	(H317) May cause an allergic skin re	
	(H319) Causes serious eye irritation	
	(H335) May cause respiratory irritati (H336) May cause drowsiness or diz	
	(H341) Suspected of causing genetic	
	(H351) Suspected of causing cancer	
	(H361) Suspected of damaging fertili	
	(H370) Causes damage to organs (re	espiratory system, central nervous system).
	(H371) May cause damage to organs	; (kidneys).
	(H372) Causes damage to organs the respiratory system, bones, nervous s	rough prolonged or repeated exposure (liver, system, central nervous system).
Precautionary statement:		
	Obtain special instructions before us	se. (P201)
		tions have been read and understood. (P202
		lames/hot surfaces. – No smoking (P210)
	Keep container tightly closed. (P233	
	Ground/bond container and receivin	
	Use explosion-proof electrical/venti	lating/lighting equipment. (P241)
	Use only non-sparking tools. (P242)	
	Take precautionary measures agains	
	Do not breathe dust/fume/gas/mist	
	Avoid breathing dust/fume/gas/mist	
	Wash hands and eyes thoroughly aft	
	Do not eat, drink or smoke when usi	
	Use only outdoors or in a well-venti	
		not be allowed out of the workplace. (P272) lothing/eye protection/face protection. (P2
	IF ON SKIN: Wash with plenty of soa	ap and water. (P302+P352)
	IF ON SKIN (or hair): Remove/Take Rinse skin with water/shower. (P303	off immediately all contaminated clothing. 3+P361+P353)
	IF INHALED: Remove victim to fresh for breathing. (P304+P340)	n air and keep at rest in a position comfortab
	IF IN EYES: Rinse cautiously with wa lenses, if present and easy to do. Co	ater for several minutes. Remove contact ontinue rinsing. (P305+P351+P338)
	IF exposed or concerned: Get medic	al advice/attention. (P308+P313)
	Call a POISON CENTER or doctor/p	bhysician if you feel unwell. (P312)
	Get medical advice/attention if you	feel unwell. (P314)
	Specific treatment (see the label). (F	P321)
	Rinse mouth. (P330)	
	If skin irritation occurs: Get medical	advice/attention. (P332+P313)
		medical advice/attention. (P333+P313)
	If eye irritation persists: Get medica	
	Take off contaminated clothing and	wash it hefore reuse (P362+P364)

Take off contaminated clothing and wash it before reuse. (P362+P364) In case of fire: Use for extinction: (P370+P378) Store in a well-ventilated place. Keep container tightly closed. (P403+P233) Store in a well-ventilated place. Keep cool. (P403+P235) 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:

Chemical or common name: Adhesive, containing vinyl chloride-vinyl acetate copolymer

Mixture

Component	Content	CAS Number	Reference Number in Gazetted List in Japan	Others
Cyclohexanone	25%	108-94-1	(3)-2376	
Tetrahydrofuran	13%	109-99-9	(5)–53	
Methyl ethyl ketone	43%	78-93-3	(2)-542	
Resin (VC-VAc copolymer, etc.)	19%	Registered	Registered	
Titanium oxide	Less than 1%	13463-67-7	(1)–558	
Tin a sum sum d		68109-88-6	(2)-3019	Made in Japan
Tin compound	Less than 0.3%	15571-58-1	(2)-2307	Made in Taiwan

4. First-aid measures

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 touched to skin:	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.
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.
	Rinse the mouth well and drink a lot of water to vomit.
Anticipated acute & chronic symptoms:	Irritation to respiratory organs, cough and gasp, when inhaled.
	Irritation to digestive organs, nausea, 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.
Protection of first-aid provider:	First-aid provider should use protective wears such as organic solvent mask, when the circumstances require.
Special note to physician:	No information
5. Fire-fighting measures	
Extinguishing agents:	Carbon dioxide, powder agent, foam agent
Prohibited extinguishing agent:	Water flux
Specific hazards:	Fire may cause to generate irritant, toxic or erosive gas.
opecific flazarus.	Easily flammable. It will readily be ignited by heat, spark or flame.
	Heating of container may cause explosion.
	Easily inflammable liquid and vapor.
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
	Respirator if necessary.
6. Accidental release measures	
Health hazard precaution, protective wear and first-	Workers should use protective wears (See Chapter 8) to prevent contact with the
aid	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:	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

Prevention of secondary casualty:

For large scale leakage, build bank around the spill and lead the liquid to a safer place for recovery.

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

7. Handling and storage precautions

Ha	ndl	ling
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Handling					
-	Technical measures:	•	ars if inhalation or	skin contact is foreseen.	
	Local & total ventilation:	-	t be practiced in a	room where local or total ventilation facili	ity
	Safe handling:	is functioning. Ban of high tempe	rature substance o	sparking and fire at nearby points.	
	Garo Handing.			oking while the product is used.	
		Wash hands well a			
			• •	e, skin and clothing.	
		Do not inhale vapo		•	
			-	rstanding all the precautions.	
Storage		Use the product of	ny in a well ventila	ted room or outdoors.	
otorago	Storing conditions:	Store in a remote	room from heat, sp	parks and naked flame. No smoking in the	
	C .	storage room.	<i>,</i> ,	C C	
		Store in a cool, ve	ntilated room.		
		Lock the storage r	oom.		
8 Exposure contro	ls and personal protection				
Facility measure		l ocal ventilation o	f closed work room	n or total proper ventilation to prevent vap	or
r donity modour		inhalation.			
		Cyclohexanone	Tetrahydrofuran	Methyl ethyl ketone	
Control concen	tration:	20 ppm	50 ppm	200 ppm	
	centration (Exposure limit, Biological		ee pp		
exposure guide	line)				
	Japan society for occupational health.	25 ppm	50 ppm	200 ppm	
	ACGIH TLV-TWA	20 ppm	50 ppm	200 ppm	
		20 ppm	oo ppin	200 ppm	
Protective wear	rs:				
	Respiratory protection:	Use aspirator with	appropriate filter		
	Hand protection:	Impermeable glove			
	Eye protection:	Solvent-resistant			
Hygienic measu	Skin and body protection:	Long-sleeve fatigu Wash hands well a			
	105.		ter nanuling.		
9. Physical and che	mical properties				
	Physical state, form:			Liquid	
	Color:			White	
	Odor: Melting point/freezing point:			Characteristic stimulative odor −20°C or lower	
	Bp, initial bp & boiling range:			65.4°C (bp)	
	Flammability:			Highly flammable liquid and vapor	
	Evaporation rate:			No data available	
	Flash point:			-17°C (Closed Method)	
	Auto ignition point:			320°C	
	Decomposition temperature:			No data available	
	pH: Dynamic viscosity:			Not applicable ca. 410 mm ² /s (20°C)	
	Solubilities:			Insoluble in water	
	n-Octanol/water partition coefficie	ent:(log Pow)		No data available	
	Vapor pressure:			No data available	
	Specific gravity (density):			ca. 0.93 (20°C)	
	Vapor density:			No data available	
	Particle characteristics: Non-volatile content:			No data available ca. 19%	
	Viscosity:			ca. 380 mPa∙s	
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10. Stability and reactivity

Stability:

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

11. Hazard information

Acute toxicity:

(Appended ⁻	Table)
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	Content	Acute toxicity (oral)	Acute toxicity (dermal)	Acute toxicity (inhalation: gas)	Acute toxicity (inhalation: vapor)	Acute toxicity (inhalation: dust and mist)
Cyclohexanone	25%	Category 4 (1544mg/kg)	Category 3 (947mg/kg)	Not classified	Category 3 (2,450ppm)	Not classified (8,000ppm)
Tetrahydrofuran	13%	Category 4 (1851mg/kg)	Classification not possible	Not classified	Not classified (21,000ppm)	Classification not possible
Methyl ethyl ketone	43%	Not classified (>2000mg/kg)	Not classified (>5000mg/kg)	Not classified	Category 4 (11,700ppm)	Classification not possible
Resin (VC-VAc copolymer, etc.)	19%	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Titanium oxide	Less than 1%	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible

Acute toxicity (oral):	The product contains substances of acute toxicity (oral) of Categories indicated in Appended Table. The dose is calculated for the mixture (the product) to be ATE mix=1695 mg/kg.
Acute toxicity (dermal):	The product, as the mixture, falls in Category 4. The product contains substances of acute toxicity (transdermal) of Categories indicated in Appended Table. The dose is calculated for the mixture (the product) to be ATE mix=1940 mg/kg.
Acute toxicity (inhalation: vapor):	The product, as the mixture, falls in Category 4. The product contains substances of acute toxicity (vapor inhalation) of Categories indicated in Appended Table. The dose is calculated for the mixture (the product) to be ATE mix=5537 ppm.
Skin corrosion/irritation:	The product, as the mixture, falls in Category 4. The product contains skin-irritating substances of the following Categories: Category 2: Cyclohexanone (25%), tetrahydrofuran (13%), methyl ethyl ketone The product, as the mixture, falls in Category 2.
Eye damage/irritation:	The product contains caustically injuring and irritating substances of the following Categories: Category 2A: Cyclohexanone (25%), tetrahydrofuran (13%), methyl ethyl ketone (43%).
Respiratory sensitization: Skin sensitization:	The product, as the mixture, falls in Category 2A. Respiratory organ sensitization: No data available. The product contains skin sensitization substances of the following Categories: Category 1: Cyclohexanone (25%)
Germ cell mutagenicity:	The product, as the mixture, falls in Category 1. The product contains mutagenicity substances of the following Category: Category 2: Cyclohexanone (25%).
Carcinogenicity:	The product, as the mixture, falls in Category 2. The product contains carcinogenic substances of the following Category: Category 2: Tetrahydrofuran (13%), The product, as the mixture, falls in Category 2.
Reproductive toxicity:	The product, as the mixture, fails in Oategory 2. The product contains reproductive toxicity of the following Category: Category 2: Cyclohexanone (25%). The product, as the mixture, falls in Category 2.
Specific target organ toxicity (single exposure):	The product, as the mixture, rais in outegory 2. The product contains single-exposure toxic substances of the following Categories: Cyclohexanone (25%) > 1%, Category 1 (respiratory system), Category 2 (central nervous system) and Category 3 (narcotic effect), Tetrahydrofuran(13%) > 1%, Category 1 (central nervous system) and Category 3 (respiratory tract irritancy, narcotic effects), Methyl ethyl ketone (43%) > 1%, Category 2 (Kidney) and Category 3 (respiratory tract irritancy, narcotic effects),

The product, as the mixture, falls in Category 1 (central nervous system, respiratory system), Category 2 (kidneys), and Category 3 (respiratory tract irritancy, narcotic effects).

	Specific target organ toxicity	The product contains multiple-exposure toxic substances of the following
	(repeated exposure):	Categories:
		Cyclohexanone $(25\%) > 1\%$, Category 1 (central nervous system, bones).
		Tetrahydrofuran $(13\%) > 1\%$ Category 1 (respiratory, liver, nervous system).
		Methyl ethyl ketone $(43\%) > 1\%$, Category 1 (nervous system).
		The product, as the mixture, falls in Category 1 (liver, respiratory system, bones,
		nervous system, central nervous system).
	Aspiration hazard:	The product contains more than 10% in total of respiratory-harmful substances of
		the following Category, however, the kinematic viscosity at 40° C is more than 20.5
		mm2/s:
		Not classified as the mixture.
12.	Ecological information	
	Hazard to the aquatic environment	Not classified
	(Acute hazard):	Not classified
	Hazard to the aquatic environment	Not classified
	(Long-term hazard):	Not classified
	Hazard to the ozone layer:	Does not contain any ingredients listed in the Annexes to the Montreal Protocol.
		Classification not possible.
10	N . P 1	
13.	Notes on disposal Residual & waste:	In the discount of weighted and other weaters, shown a the vales and laws
	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:	1133 (Adhesive, containing inflammable liquid)
	UN classification:	Class 3 (Inflammable liquid)
	Packing group:	Π
	Sea Pollution Prevention Act	Harmful liquid material
		The enforcement order separate table first; Z Group
		(Cyclohexanone, tetrahydrofuran, methyl ethyl ketone)
		However, it is not applicable when net weight in one container is 5L or less.
	Domestic control:	
	Guidance Number	
	Onshore control info.	Observe the Fire Defense Law.
	Offshore control info.	Observe the Marine Vessel Safety Law.
	Air cargo control info.	Observe the Aviation Law.
	Special safety measure:	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)	
		Cyclohexanone, Tetrahydrofuran, Methyl ethyl ketone, Tin compound, Titanium oxide	
		Hazardous materials to be posted (Chapter 18 of Ordinance)	
		Cyclohexanone, Tetrahydrofuran, Methyl ethyl ketone	
		2nd class organic solvents (Solvent Addiction Prevention Rule, Clause 1.1.4)	
		Cyclohexanone, Tetrahydrofuran, Methyl ethyl ketone	
		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).	
		Cyclohexanone, Tetrahydrofuran, Methyl ethyl ketone No. 4 Haz-Mat, No.1 Petroleum, Non-water soluble liquid (Hazard Degree II) Class I Designated Chemical Substance: Tetrahydrofuran	
Fire Defense Law:			
PRTR Law:			
		Japan PRTR-SDS Number 674	
Poisonous & Deleterious Substance	e Control Law:	Not applicable	
Sea Pollution Prevention Act		Harmful liquid material	
		The enforcement order separate table first; Z Group	
		Cyclohexanone, Tetrahydrofuran, Methyl ethyl ketone	
		However, it is non-corresponded when net weights of one container are less than 5L	
16. Other information			
Literature:	1) Chemicals Sa	fety Data Sheet (MSDS) Part 1: Content and Order of Items	
	2) Guideline for MSDS Edition (Revised Edition) by Japan Chem. Ind. Assoc.		
	3) GHS Classific	ation Database, Site of National Institute of Technology and Evaluation	
	4) Hazard Hand	book of Chemicals by Japan Industrial Safety and Health Association	
	5) Hazard comm 7253:2019	nunication of chemicals based on GHS-Labelling and Safety Data Sheet (SDS) JIS Z	

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.