SDS Eslon #100S 1/6

Implementation: Sep.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:

Application & restriction

Document number:

2. Hazards identification

GHS Classification

Physicochemical hazards:

ESLON Adhesive No.100S Green 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 chlorinated polyvinyl chloride piping system Other applications are prohibited. #100S

Explosives Flammable gases Aerosols and chemicals under	Not classified Not classified Not classified
pressure Oxidizing gases	Not classified
Gases under pressure	Not classified
Flammable liquids	Category 2
Flammable solids	Not classified
Self-reactive substances and mixtures	Not classified
Pyrophoric liquids	Not classified
Pyrophoric solids	Not classified
Self-heating substances and	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
Acute toxicity (oral)	Category 4
Acute toxicity (dermal)	Category 4
Acute toxicity (inhalation: gas)	Not classified
Acute toxicity (inhalation: vapor)	Category 4
Acute toxicity (inhalation: dust and	Classification Not Possible
mist)	
Skin corrosion/irritation	Category 2
Eye damage/irritation	Category 2A
Respiratory sensitization	Classification Not Possible
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 1 (respiratory, central nervous system)
	Category 2(kidneys)
	Category 3 (narcotic effect, respiratory

Environmental hazards:

Health hazards:

Pictogram or symbol:

Specific target organ toxicity (repeated exposure) Aspiration hazard Hazard to the aquatic environment(Acute hazard) Hazard to the aquatic environment(Long-term hazard) Hazard to the ozone layer

tract irritancy)

Category 1 (liver, respiratory system, bones, nervous system, central nervous systems) Not classified Not classified

Not classified

Classification Not Possible



Signal word:	Danger
Hazard statement:	(H302+H312+H332) Harmful if swallowed, in contact with skin or if inhaled.
	(H225) Highly flammable liquid and vapor.
	(H315) Causes skin irritation.
	(H317) May cause an allergic skin reaction.
	(H319) Causes serious eye irritation.
	(H335) May cause respiratory irritation.
	(H336) May cause drowsiness or dizziness. (H341) Suspected of causing genetic defects.
	(H351) Suspected of causing cancer.
	(H361) Suspected of damaging fertility or the unborn child.
	(H370) Causes damage to organs.(respiratory system, central nervous system)
	(H371) May cause damage to organs.(kidneys)
	(H372) Causes damage to organs through prolonged or repeated exposure.(liver
	respiratory, bones, nervous system, central nervous system)
Precautionary statement:	Obtain special instructions before use. (P201)
	Do not handle until all safety precautions have been read and understood. (P20
	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. (P210)
	Keep container tightly closed. (P233)
	Ground/bond container and receiving equipment. (P240)
	Use explosion-proof electrical/ventilating/lighting/ equipment. (P241)
	Use only non-sparking tools. (P242)
	Take precautionary measures against static discharge. (P243)
	Do not breathe dust/fume/gas/mist/vapors/spray. (P260)
	Avoid breathing dust/fume/gas/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)
	Contaminated work clothing should not be allowed out of the workplace. (P272)
	Wear protective gloves/protective clothing/eye protection/face protection. (P2
	IF ON SKIN: Wash with plenty of soap and water. (P302+P352)
	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
	Rinse skin with water/shower. (P303+P361+P353)
	IF INHALED: Remove victim to fresh air and keep at rest in a position comforta for breathing. (P304+P340)
	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)
	Specific treatment (see label). (P321)
	Rinse mouth. (P330)
	If skin irritation occurs: Get medical advice/attention. (P332+P313)
	If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)
	If eye irritation persists: Get medical advice/attention. (P337+P313)
	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: Mixture

Chemical or common name:

Adhesive, containing chlorinated polyvinyl chloride

Component	Content	CAS Number	Reference Number in	Others	

			Gazetted List in Japan	
Cyclohexanone	38%	108-94-1	(3)-2376	
Tetrahydrofuran	36%	109-99-9	(5)–53	
Methyl ethyl ketone	10%	78-93-3	(2)-542	
Resin (CPVC)	15%	68648-82-8	(6)-75	
Tin compound	Less than 0.9%	15571-58-1	(2)-2307	

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.
Anticipated courts & churchic symptometry	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.
	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	
	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 river, 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 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.

Storage

Storing conditions:

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.

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.

8. Exposure controls and personal protection

aciiii	.y me	asur	es.	

9.

Local ventilation of closed work room or total proper ventilation to prevent vapor inhalation.

		Cyclohexanone	Tetrahydrofuran	Methyl ethyl ketone
Control concentration: Permissible concentration (Exposure limit, Biological exposure guide line)		20 ppm	50 ppm	200 ppm
	Japan society for occupational health.	25 ppm	50 ppm	200 ppm
	ACGIH TLV-TWA	20 ppm	50 ppm	200 ppm
Protective wea	irs:			
	Respiratory protection: Hand protection: Eye protection: Skin and body protection:	Use aspirator with Impermeable glove Solvent-resistant long-sleeve fatigu	es goggles	
Hygienic measu	ures:	Wash hands well a	fter handling.	
. Physical and che	emical properties Physical state, form: Color: Odor: Melting point/freezing point: Bp, initial bp & boiling range: Flammability: Evaporation rate: Flash point: Auto ignition point: Decomposition temperature: pH: Dynamic viscosity: Solubilities: n-Octanol/water partition coefficie Vapor pressure: Specific gravity (density): Vapor density: Particle characteristics: nonvolatile content: Viscosity:	ent:(log Pow)		Liquid Colorless transparent Characteristic stimulative odor -20° C or lower 65.4° C (bp) Highly flammable liquid and vapor no data available -17° C (Closed Method) 320° C no data available Not applicable ca.540 (mm ² /s)/20^{\circ}C insoluble in water no data available no data available ca.0.93(20°C) no data available no data available ca. 16% ca. 500 mPa•s

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:

(Appended Table)

	Content	Acute toxicity (oral)	Acute toxicity (dermal)	Acute toxicity (inhalation: gas)	Acute toxicity (inhalation: vapor)	Acute toxicity (inhalation: dust and mist)
Cyclohexanone	38%	Category 4 (1544 mg/kg)	Category 3 (947 mg/kg)	Not classified	Category 3 (2450 ppm)	Not Classified (8000 ppm)
Tetrahydrofuran	36%	Category 4 (1851 mg/kg)	Classification Not Possible	Not classified	Not Classified (21000 ppm)	Classification Not Possible
Methyl ethyl ketone	10%	Not Classified (2000 mg/kg)	Not Classified (>5000 mg/kg)	Not classified	Category 4 (11700 ppm)	Classification Not Possible
Resin (CPVC)	15%	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.

The product, as a mixture, falls in Category 4.

Acute toxicity (dermal):	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 a 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 a mixture, falls in Category 4. The product contains skin-irritating substances of the following Categories: Category 2: Cyclohexanone (38 %), tetrahydrofuran (36 %), methyl ethyl ketone (10
Eye damage/irritation:	%). The product, as a mixture, falls in Category 2. The product contains caustically injuring and irritating substances of the following Categories: Category 2A: Cyclohexanone (38 %), tetrahydrofuran (36 %), methyl ethyl ketone (10 %).
Respiratory sensitization: Skin sensitization:	The product, as a mixture, falls in Category 2A. Respiratory organ sensitization: No available data. The product contains skin sensitization substances of the following Categories:
Germ cell mutagenicity:	Category 1: Cyclohexanone (38 %) The product, as a mixture, falls in Category 1. The product contains mutagenicity substances of the following Category: Category 2: Cyclohexanone (38 %).
Carcinogenicity:	The product, as a mixture, falls in Category 2. The product contains carcinogenic substances of the following Category: Category 2: tetrahydrofuran (36 %), The product, as a mixture, falls in Category 2.
Reproductive toxicity:	The product, as a mixture, fails in Category 2. The product contains genotoxic substances of the following Category: Category 2: Cyclohexanone (38 %). The product, as a mixture, falls in Category 2.
Specific target organ toxicity (single exposure):	The product contains single-exposure toxic substances of the following Categories: Cyclohexanone $(38\%) > 1\%$, Category 1 (respiratory system), Category 2 (central nervous system) and Category 3 (narcotic effect), Tetrahydrofuran $(36\%) > 1\%$, Category 2 (central nervous system) and Category 3 (narcotic effect, respiratory tract irritancy), Methyl ethyl ketone $(10\%) > 1\%$, Category 2 (kidney) and Category 3 (narcotic effect, respiratory tract irritancy). The product, as a mixture, falls in Category 1 (respiratory system, central nervous system), Category 2 (kidneys) and Category 3 (narcotic effect, respiratory tract irritancy).
Specific target organ toxicity (repeated exposure):	The product contains multiple-exposure toxic substances of the following Categories: Cyclohexanone (38%)>1%, Category 1 (central nervous system, bones), Tetrahydrofuran (36%)>1% Category 1 (respiratory, liver, nervous system), Methyl ethyl ketone (10%)>1%, Category 1 (nervous system). The product, as a mixture, falls in Category 1 (liver, respiratory, bone, nervous
Aspiration hazard:	system, central nervous system). 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 20.5mm2/s: The product, as a mixture, falls Not Classified.
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

Classification Not Possible.

13. Notes on disposal Residual & waste:

Contaminated containers & packages:

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.

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: Packing Group:	:	1133 (Adhesive, containing inflammable liquid) Class 3 (Inflammable liquid) II
	Sea Pollution Pre	evention 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.
	Domestic control:		
	Guidance Number Onshore control info. Offshore control info.		128 Observe the Fire Defense Law.
			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 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).
	Fire Defense Law:		Cyclohexanone, Tetrahydrofuran, Methyl ethyl ketone
	PRTR Law:		No. 4 Haz-Mat, No.1 Petroleum, Non-water soluble liquid (Hazard Degree II) Class I Designated Chemical Substance Tetrahydrofuran 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:		ety Data Sheet (MSDS) Part 1: Content and Order of Items
			MSDS Edition (Revised Edition) by Japan Chem. Ind. Assoc.
			ation Database, Site of National Institute of Technology and Evaluation ook of Chemicals by Japan Industrial Safety and Health Association
			unication 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.