SDS Eslon #73S Violet 1/7

Implementation: Jul. 22, 2019 Issue Date: Apr. 1, 2025

SAFETY DATA SHEET

ESLON Adhesive No.73S Violet

Sekisui Chemical Co., Ltd.

1. Product and company (manufacturer) identification

Product:

Manufacturer:

Manufacturer:		Sekisui Chemical Co., Ltd.	
	Address:	Toranomon 2–10–4, Minato-ku, Tokyo	
	Responsible section:	Urban Infrastructure & Environmental	1 2
		Infrastructure and Building Pipe Syste	ems Division
	Telephone:	+81-3-6748-6492	
	Urgent telephone:	+81-3-6748-6492	
	Fax:	+81-3-6748-6564	
	Urgent contact:	Same as above	
Annlingting 0 w	-		
Application & restriction		Adhesive for polyvinyl chloride piping	system
_		Other applications are prohibited.	
Document num	ber:	#73SV	
2. Hazards identific	ation		
GHS Classificat	tion		
	Physicochemical hazards:	Explosives	Not classified
	-	Flammable gases	Not classified
		Aerosols and chemicals under	Not classified
		pressure	Not classified
		-	Not classified
		Oxidizing gases	
		Gases under pressure	Not classified
		Flammable liquids	Category 2
		Flammable solids	Not classified
		Self-reactive substances and	Not classified
		mixtures	
		Pyrophoric liquids	Not classified
		Pyrophoric solids	Not classified
		Self-heating substances and mixtures	s Glassification not possible
		Substances and mixtures which, in	Not classified
		contact with water, emit flammable	
		gases	
		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)	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	Classification not possible
		Reproductive toxicity	Category 2
			Category 1 (respiratory)
		Specific target organ toxicity (single	
		Specific target organ toxicity (single exposure)	
		Specific target organ toxicity (single exposure)	Category 2 (kidneys, central nervous
			Category 2 (kidneys, central nervous system)
			Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory
		exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy)
		exposure) Specific target organ toxicity	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive
		exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous
		exposure) Specific target organ toxicity	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive
		exposure) Specific target organ toxicity	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)
		exposure) Specific target organ toxicity (repeated exposure)	Category 2 (kidneys, central nervous system) Category 3 (narcotic effect, respiratory tract irritancy) Category 1 (respiratory, bones, digestive tract, nervous system, central nervous system)

Environmental hazards: Hazard to the aquatic Not classified environment(Acute hazard) Hazard to the aquatic Not classified environment(Long-term hazard) Hazard to the ozone layer Classification not possible Pictogram or symbol: 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. (H361) Suspected of damaging fertility or the unborn child. (H370) Causes damage to organs (respiratory). (H371) May cause damage to organs (kidneys, central nervous system). (H372) Causes damage to organs (respiratory, bone, digestive tract, nervous systems, central nervous systems) 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) 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/sprav. (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. (P280) 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 comfortable 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 the 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)

SDS Eslon #73S Violet 2/7

3. Composition/information on ingredients

Nature of composition:MixtureChemical or common name:Adhesiv

Adhesive, containing vinyl chloride-vinyl acetate copolymer

Component	Content	CAS Number	Reference Number in Gazetted List in Japan	Others
Cyclohexanone	34%	108-94-1	(3)-2376	
Methyl ethyl ketone	26%	78-93-3	(2)-542	
Acetone	17%	67-64-1	(2)-542	
Resin (VC-VAc copolymer, etc.)	21%	9003-22-9	(6)-76	

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.
If swallowed:	Seek physician's counsel. Immediately wash the mouth with water.
11 Swalloweu.	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.
	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-	
aid	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:	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.
	No open flames.
Local & total ventilation:	Handling work must be practiced in a room where local or total ventilation
	facility is functioning.

	Safe handling:	Prohibition of eati Wash hands well a Avoid contact of Do not inhale vap Handle it only after	ing, drinking and smok after handling. the product with eye, or, mist and spray of	the product. tanding all the precautions.	
Storage		-			
-	Storing conditions:	Store in a remote storage room. Store in a cool, ve Lock the storage	entilated room.	rks and naked flame. No smok	ing in the
8 Exposure o	controls and personal protection				
Facility m	· ·	Local ventilation over the second sec	of closed work room o	or total proper ventilation to p	prevent
		Cyclohexanone	Methyl ethyl ketone	Acetone	
Control o	oncentration:	20 ppm	200 ppm	500 ppm	
Permissit	ble concentration (Exposure limit, Biological guide line)	20 ppm	200 ppm	300 ppm	
	Japan society for occupational health.	25 ppm	200 ppm	200 ppm	
	ACGIH TLV-TWA	20 ppm	200 ppm	500 ppm	
Protectiv	e wears:				
Respiratory protection: Hand protection: Eye protection: Skin and body protection:		Use aspirator with Impermeable glove Solvent-resistant Long-sleeve fatig	es goggles		
Hygienic measures:		Wash hands well a	after handling.		
9. Physical ar	nd chemical properties				
•	Physical state, form:			Liquid	
	Color:			Dark violet	
	Odor:			Characteristic stimulative odd	or
	Melting point/freezing point:			−20°C or lower	
	Bp, initial bp & boiling range:			56.5°C (bp)	
	Flammability:			Highly flammable liquid and va	apor
	Evaporation rate:			No data available	
	Flash point:			-17°C (Closed Method)	
	Auto ignition point:			420°C	
	Decomposition temperature: pH:			No data available Not applicable	
	Dynamic viscosity:			ca. 560 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. 0.91 (20°C)	
	Vapor density:			No data available	
	Particle characteristics:			No data available	
	Non-volatile content:			ca. 21%	
	Viscosity:			ca. 500 mPa∙s	
-	and reactivity				
Stability:			nal conditions and ha	•	
Possibility of hazardous reaction:		Vigorously reacts Heat	with strong oxidizing	agents and ignites.	
	Prohibitive conditions:				
Prohibitive contact:		Oxidizing agent			

Hazardous decomposed substances:

Oxidizing agent Generates Aldehyde, Acid and Organic matter by thermal decomposition.

11. Hazard information

Acute toxicity: (Appended Table)

(Appended Table)			1			
	Content	Acute toxicity (oral)	Acute toxicity (dermal)	Acute toxicity (inhalation: gas)	Acute toxicity (inhalation: vapor)	Acute toxicity (inhalation: dust and mist)
Cyclohexanone	34%	Category 4 (1544mg/kg)	Category 3 (947mg/kg)	Not classified	Category 3 (2,450ppm)	Not classified (8,000ppm)
Methyl ethyl ketone	26%	Not classified (>2000mg/kg)	Not classified (>5000mg/kg)	Not classified	Category 4 (11,700ppm)	Classification not possible
Acetone	17%	Not classified (>5000mg/kg)	Not classified (>5000mg/kg)	Not classified	Not classified (32,000ppm)	Classification not possible
Resin (VC-VAc copolymer, etc.)	21%	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Acute toxicity (oral): Acute toxicity (dermal):		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=1500 mg/kg.				
		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=1723 mg/kg. 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=17mg/l				
Acute toxicity (inhalation: vapor):						
Skin corrosion/irr	itation:		The product, as the mixture, falls in Category 4. The product contains skin-irritating substances of the following Categories: Category 2: Cyclohexanone (34%), methyl ethyl ketone (26%).			
Eye damage/irritation:		The product, as the mixture, falls in Category 2. The product contains caustically injuring and irritating substances of the following Categories: Category 2A: Cyclohexanone (34%), methyl ethyl ketone (26%) Category 2B: Acetone (17%) The product, as the mixture, falls in Category 2A.				
Respiratory sensitization: Skin sensitization:		Respiratory organ sensitization: No data available. The product contains caustically injuring and irritating substances of the following Categories: Category 1: Cyclohexanone (34%).				
Germ cell mutagenicity:		The product, as the mixture, falls in Category 1. The product contains mutagenicity substances of the following Category: Category 2: Cyclohexanone (34%). The product, as the mixture, falls in Category 2.				
Carcinogenicity: Reproductive toxicity:			Respiratory organ sensitization: No data available. The product contains reproductive toxicity of the following Category: Category 2: Cyclohexanone (34%), acetone (17%) The product, as the mixture, falls in Category 2.			
Specific target organ toxicity (single exposure):		The product conta Cyclohexanone (3 nervous system) a Methyl ethyl ketor (respiratory tract Acetone (17%) >	ains single-exposure (4%) >1%, Category and Category 3 (narc ne (26%) >1%, Categ irritancy). 1%, Category 3 (narco	toxic substances of the 1 (respiratory), Categor otic effect), ory 2 (kidneys) and Cat otic effect, respiratory t	y 2 (central egory 3 ract irritancy).	
Specific target organ toxicity (repeated exposure):		 The product, as the mixture, falls in Category 1 (respiratory), Category 2 (kidneys, central nervous system) and Category 3 (narcotic effect, respiratory tract irritancy). The product contains multiple-exposure toxic substances of the following Categories: Cyclohexanone (34%) > 1%, Category 1 (bones, central nervous system), Methyl ethyl ketone (26%) > 1%, Category 1 (nervous system), Acetone (17%) > 1%, Category 1 (central nervous system, respiratory, digestive tract). 				
Aspiration hazard:			The product, as the mixture, falls in Category 1 (respiratory, bones, digestive tract, nervous systems, central nervous systems). 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 (Acute hazard):	Not classified
Hazard to the aquatic environment (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.
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	

1133 (Adhesive, containing inflammable liquid)

The enforcement order separate table first; Z Group

Class 3 (Inflammable liquid)

Harmful liquid material

Π

International rule UN number: UN classification: Packing Group: Sea Pollution Prevention Act

Air cargo control info.

Domestic control: Guidance Number Onshore control info. Offshore control info.

15. Regulatory information Labor Safety and Hygiene Law:

Special safety measure:

Fire Defense Law: PRTR Law: Poisonous & Deleterious Substance Control Law: Sea Pollution Prevention Act (Cyclohexanone, methyl ethyl ketone, acetone)
However, it is not applicable when net weight in one container is 5L or less.
128
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.

Hazardous materials to be notified to the authority (Chapter 57, Section 2) Cyclohexanone, Methyl ethyl ketone, Acetone Hazardous materials to be posted (Chapter 18 of Ordinance) Cyclohexanone, Methyl ethyl ketone, Acetone 2nd class organic solvents (Solvent Addiction Prevention Rule, Clause 1.1.4) Cyclohexanone, Methyl ethyl ketone, Acetone 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, Methyl ethyl ketone No. 4 Haz-Mat. No.1 Petroleum. Non-water soluble liguid (Hazard Degree II) Not applicable Not applicable Harmful liquid material The enforcement order separate table first; Z Group Cyclohexanone, Methyl ethyl ketone, Acetone

However, it is not applicable when net weight in one container is 5L or less.

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

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.