SDS No.95C white 1/5page Implementation: Apr.1,2024 Issue date: Jun.1,2025

SAFETY DATA SHEET

1. Product and company(manufacturer) identification

ESLON Adhesive No.95C White Product: Manufacturer: Sekisui Chemical Co., Ltd.

Toranomon 2-10-4, Minato-ku, Tokyo 105-8566 Address:

Urban Infrastructure & Environmental Products Company Responsible section: Industrial Piping Systems Division

+81-3-6748-6489 Telephone: +81-3-6748-6489 Urgent telephone: +81-3-6748-6553 Fax: Urgent contact: same as above

Application & restriction Adhesive for polyvinyl chloride piping system

Other applications are prohibited.

Document number:

2. Hazards identification **GHS Classification**

Physicochemical hazards:

Explosives Not classified Flammable gases Not classified Aerosols and chemicals under Not classified

pressure

Oxidizing gases Not classified Gases under pressure Not classified Flammable liquids Category 2 Not classified Flammable solids Self-reactive substances and Not classified mixtures Pyrophoric liquids Not classified Pyrophoric solids Not classified

Self-heating substances and mixtures Classification Not Possible

Not classified

Substances and mixtures which, in contact with water, emit flammable

gases

Oxidizing liquids Not classified Oxidizing solids Not classified Organic peroxides Not classified Corrosive to metals Not classified

Classification Not Possible Desensitized explosives

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 Category 2 Reproductive toxicity Category 2

Specific target organ toxicity (single Category 1 (respiratory system, central exposure) nervous system)

Category 2(kidneys)

Category 3 (narcotic effect, respiratory tract

irritancy)

Specific target organ toxicity Category 1 (liver, respiratory system, bones, (repeated exposure) central nervous system, nervous system)

Aspiration hazard Not classified 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:

Environmental hazards:







Signal word:

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 system, 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.(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/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.(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 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 vinyl chloride-vinyl acetate copolymer

Component	Content	CAS Number	Reference Number in Gazetted List in Japan	Others
Cyclohexanone	44%	108-94-1	(3)-2376	
Tetrahydrofuran	28%	109-99-9	(5)-53	
Methyl ethyl ketone	8%	78-93-3	(2)-542	
Resin (VC-VAc copolymer, etc.)	19%	9003-22-9	(6)-76	
Titanium oxide	Less than 1%	13463-67-7	(1)-558	

4. First-aid measures

If touched to skin:

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.

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.

Easily flammable. It will readily be ignited by heat, spark or flame.

Heating of container may cause explosion. Easily inflammable liquid and vapor.

Remove surrounding combustibles and use extinguishing agents. Proper extinguishing method:

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

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. Do not inhale vapor, mist and spray of the product.

mag 07

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.

20 ppm

Store in a cool, ventilated room. Lock the storage room.

8. Exposure controls and personal protection

Facility measures:

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

200 ppm

inhalation.

Tetrahydrofuran Methyl ethyl ketone Control concentration: 20 ppm 50 ppm 200 ppm Permissible concentration (Exposure limit, Biological exposure guide line) Japan society for occupational health. 25 ppm 50 ppm 200 ppm ACGIH TLV-TWA

Protective wears:

Respiratory protection: Use aspirator with appropriate filter

Impermeable gloves Hand protection: Eye protection: Solvent-resistant goggles Skin and body protection: long-sleeve fatigue uniform Wash hands well after handling. Hygienic measures:

9. Physical and chemical properties

Physical state, form: Liquid Color:

Odor: Characteristic stimulative odor

Melting point/freezing point: −20°C or lower 65.4°C (bp)

Bp, initial bp & boiling range: Flammability: Highly flammable liquid and vapor

Evaporation rate: no data available Flash point: -17°C (Closed Method)

320°C Auto ignition point: no data available Decomposition temperature:

Not applicable pH: ca.1070(mm²/s)/20°C Dynamic viscosity:

Solubilities: insoluble in water n-Octanol/water partition coefficient:(log Pow) no data available

no data available Vapor pressure: Specific gravity (density): ca.0.93(20°C) Vapor density: no data available Particle characteristics: no data available nonvolatile content: ca. 20%

ca. 1000 mPa•s Viscosity:

10. Stability and reactivity

Stable under normal conditions and handling. Stability:

Possibility of hazardous reaction: Vigorously reacts with strong oxidizing agents and ignites. Heat

Prohibitive conditions:

With oxidizing agent Prohibitive contact:

Hazardous decomposed substances: Generates Aldehyde, Acid and Organic matter by thermal decomposition.

11. Hazard information

Acute toxicity:

(Appended Table)

(Appended Table)						
	Content	Acute toxicity (oral)	Acute toxicity (dermal)	Acute toxicity (inhalation: gas)	Acute toxicity (inhalation: vapor)	Acute toxicity (inhalation: dust and mist)
Cyclohexanone	44%	Category 4 (1544mg/kg)	Category 3 (947mg/kg)	Not classified	Category 3 (2450ppm)	Not Classified (8000ppm)
Tetrahydrofuran	28%	Category 4 (1851mg/kg)	Classification Not Possible	Not classified	Not Classified (21000ppm)	Classification Not Possible
Methyl ethyl ketone	8%	Not Classified (>2000mg/kg)	Not Classified (>5000mg/kg)	Not classified	Category 4 (11700ppm)	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.

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.

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

Acute toxicity(inhalation: vapor): 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.

The product, as a mixture, falls in Category 4. Skin corrosion/irritation:

The product contains skin-irritating substances of the following Categories: Category 2: Cyclohexanone (44 %), tetrahydrofuran (28 %), methyl ethyl ketone (8 %).

The product, as a mixture, falls in Category 2.

Eye damage/irritation: The product contains caustically injuring and irritating substances of the following

Categories:

Category 2A: Cyclohexanone (44 %), tetrahydrofuran (28 %), methyl ethyl ketone (8

The product, as a mixture, falls in Category 2A. Respiratory organ sensitization: No available data.

Skin sensitization: The product contains skin sensitization substances of the following Categories:

Category 1: Cyclohexanone (44 %)

The product, as a mixture, falls in Category 1.

Germ cell mutagenicity: The product contains mutagenicity substances of the following Category:

Category 2: Cyclohexanone (44 %).

The product, as a mixture, falls in Category 2.

Carcinogenicity: The product contains carcinogenic substances of the following Category:

Category 2: Tetrahydrofuran (28 %),

The product, as a mixture, falls in Category 2. Reproductive toxicity:

The product contains reproductive toxicity of the following Category:

Category 2: Cyclohexanone (44 %).

The product, as a mixture, falls in Category 2.

Specific target organ toxicity The product contains single-exposure toxic substances of the following Categories:

Cyclohexanone (44 %) > 1%, Category 1 (respiratory system), Category 2 (central

nervous system) and Category 3 (narcotic effect),

Tetrahydrofuran(28 %) > 1%, Category 1 (central nervous system) and Category 3

(respiratory tract irritancy, narcotic effects),

Methyl ethyl ketone (8 %) > 1%, Category 2 (kidneys) and Category 3 (respiratory

tract irritancy, narcotic effects),

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

Specific target organ toxicity

(repeated exposure):

(single exposure):

Respiratory sensitization:

The product contains multiple-exposure toxic substances of the following

Categories:

Cyclohexanone (44 %) > 1%, Category 1 (central nervous system, bones), Tetrahydrofuran (28 %) > 1% Category 1 (respiratory, liver, nervous system),

Methyl ethyl ketone (8 %) > 1%, Category 1 (nervous system).

The product, as a 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

20.5mm2/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.

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: 1133 (Adhesive, containing inflammable liquid)

UN classification: Class 3 (inflammable liquid) Π

Packing group:

Sea Pollution Prevention Act Harmful liquid material

Onshore control info.

Offshore control info.

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

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, 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 Tetrahydrofran

Japan PRTR-SDS Number 674 Not applicable

Poisonous & Deleterious Substance Control Law:

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

Fire Defense Law:

PRTR Law:

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

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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.