

Guangdong Sanvo Chemical Industry Technology Limited

Safety Data Sheet

1. Identification of Chemicals and Manufacturer

English name of chemical: SANVO General Purpose Threadlocker SH-340

Manufacturer: Guangdong Sanvo Chemical Industry Technology Limited

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Recommended use: Thread locking and sealing of metal parts

2. Hazards Identification

Storage

Store in a cool and dry place with good ventilation. Keep away from fire and avoid skin contact.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Physical & chemical hazards

In case of open fire and high heat, it can cause combustion and explosion. Reacts violently in contact with bases and acids.

Health hazards

Intrusion into the human body through inhalation, skin contact, eye contact, food, produce irritation and anesthesia, harmful to human health

Environmental hazards


Volatile residues are not easily degraded in the environment.

GHS risk category

Class 3.2, medium flash point flammable liquids

Label elements

Warning: Danger. Hazard Information: Flammable and irritating.

Pictograms: 

Preventive instructions:

Keep away from heat sources, sparks, open fires and hot surfaces. Use tools that do not spark. Keep the container airtight. Take measures to prevent static electricity. Use explosion-proof electrical appliances. Wear protective gloves, glasses and masks. After operation, thoroughly clean the penetrating contact area. No food, drinking water or smoking is allowed in the workplace. No discharge into the environment.

Main symptoms

Steam stimulates eyes, skin and mucosa and has anesthetic effect. Long-term exposure to high concentration steam can cause excessive fatigue, dyspnea, burning eyes, nausea, headache, tachycardia and other phenomena.

Emergency review

Move to fresh air, rinse or shower with water, seek medical attention.

3. Component/ Composition Information

Substance/mixture	Mixture	
Chemical Entity	CAS No.	Proportion (%)
Chemigum	no data	10-20
Padding	no data	20-60
Methylbenzene	108-88-3	10-50

4. First aid measures

Inhalation	Irritation of respiratory tract. Move the patient to a fresh place to keep the respiratory tract unobstructed. If breathing is difficult, give oxygen, if breathing is stopped, carry out artificial respiration immediately and receive medical treatment.
Skin contact	Irritating to the skin, may cause skin allergy. Remove contaminated clothing and wash with soapy water and water.
Eye contact	Eye irritation may cause redness and swelling. Lift the eyelids, wash with flowing water or normal saline, and see a doctor.
Ingestion	will stick to the mouth.

5. Fire-fighting measures

Special risk	Contact with open fire, high heat, etc. will cause combustion and explosion. It reacts violently with strong oxidant.
Extinguishing agent	Use foam, dry powder, carbon dioxide or sand to extinguish fire. Water is not effective in extinguishing fire.
Extinguishing method	First cut off the fuel source and evacuate the personnel. Spray water can keep the container cool, use extinguishing agent from the wind direction downward.
Special protective equipment for fire personnel	Wear a positive pressure self-contained breathing apparatus and a protective suit to protect the whole face.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedure

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Clean-up methods and materials and containment measures Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Handling Keep the working area well ventilated, away from flammable substances, and avoid touching eyes and skin. Operators must be specially trained to strictly follow operating procedures. Operators are advised to wear ventilation or gas masks, chemical safety protective glasses, anti-static work clothes and anti-gas gloves. Smoking is prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Prevent steam from escaping into the air in the workplace. Avoid contact with oxides, strong acids and strong bases. Equipped with the corresponding variety and quantity of fire equipment and emergency treatment equipment. Empty containers may be contaminated and should be fireproof.

Storage Store in a cool and dry place, the environment is well ventilated, keep away from fire and prevent skin contact. Should be stored separately with oxide, strong acid, strong alkali, do not mix storage. Explosion-proof lighting and ventilation are adopted. Prohibit the use of spark-prone mechanical equipment and tools. The storage area should be equipped with emergency leakage treatment equipment and appropriate shelter materials.

8. Exposure Controls / Personal Protection

Maximum permissible concentration in China:

MAC (mg/m³): 30 [methyl methacrylate];

Engineering measures:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower should be available when handling this product.

Respiratory protection:

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

Hand protection:

Wear protective gloves such as: Nitrile. Polyvinyl chloride (PVC). Viton/butyl.

Eye protection:

Wear safety glasses with side shields (or goggles).

Skin and body protection:

Wear appropriate chemical resistant clothing.

9. Physical and chemical properties

Appearance

Form / Colour / Odour Medium gray or white viscous liquid

Odour: acrylates

pH value: Not available.

Melting point/freezing point (°C) Not available.

Boiling point (°C) Not available.

Initial boiling point (°C) Not available.

Boiling range (°C) Not available.

Flash point (°C) Not available.

Lower Explosive limit [% (V/V)] 1.27 [methacrylate].

Upper Explosive limit [% (V/V)] 7.0 [methacrylate].

Vapor Pressure (kpa) Not available.

Relative Vapor density (water = 1) 1.2~1.3

Solubility

insoluble in water, miscible in esters, aromatics, chloroform and other organic solvents.

N - octanol/water distribution coefficient Not available.

Auto-ignition temperature Not available.

10. Stability and reactivity

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
Hazardous decomposition products:	Phenolics. Oxides of sulfur. Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.
Incompatible materials:	Strong oxidizing agents. Strong acids. Copper. Iron. Strong reducing agents. Rust.
Reactivity:	Not available.
Conditions to avoid:	Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

11. Toxicological information

Relevant routes of exposure:	
Potential Health Effects/Symptoms	
Inhalation:	Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Skin contact:	Causes skin irritation. May cause allergic skin reaction.
Eye contact:	Causes serious eye irritation.
Ingestion:	May cause gastrointestinal tract irritation if swallowed.

12. Ecological information

Environmental destruction and distribution: possible pollution of air and water. Low toxicity to fish and mammals.

Persistence and degradation: volatile components can be photolyzed, and steam residues can be slowly oxidized and degraded by organisms and microorganisms.

Toxicity: it has the potential of low toxicity and biochemical enrichment to prevent the growth of organisms and Microorganisms.

13. Disposal considerations

Residual waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Local disposal regulations: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

CNDG

UN number: 1133

UN proper shipping name: Aerosols, flammable, (each not exceeding 1 L capacity)

Transport hazard class(es)

Class	3.2
Subsidiary risk	-
Label(s)	3.2



Packing group -

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number: UN1133

UN proper shipping name : Aerosols, flammable, Limited Quantity

Transport hazard class(es): Aerosols, flammable, Limited Quantity

Class	3.2
Subsidiary risk	-
Label(s)	3.2

Packing group : Not applicable.

Environmental hazards: No

ERG Code: 10L

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft: Allowed with restrictions.

Cargo aircraft only: : Allowed with restrictions.

IMDG

UN number: UN1133

UN proper shipping name: Aerosols, flammable, Limited Quantity

Transport hazard class(es)

Class	3.2
Subsidiary risk	-
Label(s)	3.2

Packing group : Not applicable.

Environmental hazards

Marine pollutant: : No

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory Information

Regulatory information:

Regulations on the safety management of hazardous chemicals (order 344 of the state council)

Measures for the administration of hazardous chemicals registration (order No. 35 of the state economic and trade commission)

Regulations on the registration and administration of hazardous chemicals in Guangdong province (Guangdong economic and trade security [2003] No. 80)

Regulations on the safe use of chemicals in the workplace ([1996] No. 423 issued by the department of labor)

Relevant provisions are made for the production, operation, storage, transportation, use and disposal of hazardous chemicals.

16. Other information

Literary reference

1. Global uniform classification and labelling of chemicals (second revision), 2007
2. Model regulations for the transport of dangerous goods ,2015
3. International maritime dangerous goods (edition 34-08)
4. Technical manual for hazardous chemical safety, Chemical industry press, 1997
5. Regulations on the safety management of hazardous chemicals, 2011
6. Dangerous goods list (GB12268-2012)
7. Classification and code of dangerous goods (GB6944-2012)
8. Compilation of technical specification for hazardous chemical safety (GB16483-2000)
9. Classification and marking of common hazardous chemicals (GB13690-92)

Professional training: personnel engaged in the handling or transportation of dangerous goods must receive training on the content of requirements related to the handling or transportation of dangerous goods, general knowledge or familiarity training, specific functional training and safety training, etc.

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