

Guangdong Sanvo Chemical Industry Technology Limited

Safety Data Sheet

1. Identification of Chemicals and Manufacturer

English name of chemical: **Silicone Spray**

Product code: HQ

Manufacturer: Guangdong Sanvo Chemical Industry Technology Limited

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Recommended use: Used as a lubricant, constant temperature heat carrier, etc.

It is widely used in electrical insulation, demoulding, defoaming, damping, shockproof, dustproof, and waterproof. Safe for most plastics and rubbers.

2. Hazards Identification

Extremely flammable aerosol; Pressurized container: May burst when heated.

GHS-classification

Physical hazards

Aerosols

Category 1

Chemical hazards

It can cause combustion and explosion when exposed to open flames, high heat, etc., and will react violently when it comes in contact with oxidants, strong acids and strong alkalis.

Health hazards

Skin corrosion/irritation

Severe eye damage/irritation

Reproductive toxicity

Specific target organ system toxicity primary contact

Not classified

Repeated exposure to specific target organ system toxicity

Environmental hazards

Volatile components can pollute the air, and the residue can pollute the soil, and then penetrate the polluted water.

GHS hazard statement:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Label elements

Pictograms



GHS-labeling

Signal word

Danger

Hazard information

Flammable liquids

Hazard statement

Extremely flammable aerosol; Pressurized container.

Precautionary statement

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not spray on an open flame or other ignition source. Do not breathe mist or vapor. Use only outdoors or in a well-ventilated area. Wear protective gloves. Wash thoroughly after handling. Avoid release to the environment.

Response

If swallowed: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention. Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

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

Physical & chemical hazards

Extremely flammable aerosol. The product is stable and non-reactive under normal conditions of use, storage and transport.

Health hazards

Harmful to human health through inhalation, skin contact, eye contact, food invasion into human body, stimulation and anesthesia.

Environmental hazards

Volatile components can pollute the air, residues can pollute the soil, and permeate the water body.

3. Component/ Composition Information

Substance/mixture

Mixture

Chemical Entity	CAS No.	Proportion (%)
Silicone oil	9006-65-9	15%
Propane	68476-85-7	85%

4. First aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Drink plenty of warm water to induce vomiting and seek medical advice. Call a physician or poison control center immediately.

5. Fire-fighting measures

Extinguishing media	Foam. Powder. Carbon dioxide (CO ₂) or sand to extinguish the fire. Extinguishing with water is invalid.
Specific hazards	Dangerous flammable products.
Special fire fighting procedures	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.
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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Storage

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls / Personal Protection

Maximum permissible concentration in China:

MAC (mg/m³): Not Available

Engineering measures:

The production process is closed and fully ventilated. Provide safety shower and eyewash equipment.

Respiratory protection:

When the concentration in the air exceeds the standard, filter-type respirators should be worn. It is recommended to wear an air respirator during emergency rescue or evacuation.

Hand protection:

Wear rubber and oil resistant gloves.

Eye protection:

Wear chemical safety glasses.

Skin and body protection:

Wear anti-static overalls.

9. Physical and chemical properties

Appearance

Physical state	Liquid
Form	Aerosol.
Colour	Colorless transparent
Odour:	Solvent
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)]	Not available.
Upper Explosive limit [% (V/V)]	Not available.
Vapor Pressure (kpa)	Not available.
Relative Vapor density (air = 1)	Not available.
Relative density (water = 1)	0.9
Solubility	Slightly soluble in water, miscible in most organic solvents such as esters, aromatics, and chloroform.
N - octanol/water distribution coefficient	Not available.
Auto-ignition temperature	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Heat, flames and sparks, direct sunlight.
Incompatible materials	Not available.
Hazardous decomposition products	No

11. Toxicological information

No toxicological information is available. The following are the main hazardous components of this product, for reference only.

Toxicological data of the main harmful component simethicone:

Acute toxicity: No data

Subacute and chronic toxicity: No data.

Irritation: No data

Mutagenicity: No data

Toxicological data of main harmful component propane:

Acute toxicity: No data

Subacute and chronic toxicity: No data

Irritation: No data

Mutagenicity: No data

Toxicological data of the main harmful component butane:

Acute toxicity: No data; LC50: 658000mg/kg, 4 hours (rat inhalation)

Subacute and chronic toxicity: No data

Irritation: No data

Mutagenicity: No data

12. Ecological information

Environmental impact and ecotoxicity:

Environmental destruction and distribution: It may cause pollution to the air and water bodies, and has 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.

Toxic: It has low toxicity and biochemical enrichment potential, preventing the growth of organisms and microorganisms.

13. Disposal considerations

Nature of waste: Hazardous waste.

Disposal methods: Refer to the local regulations of the country, turn the can upside down, press down the nozzle in the old newspaper or waste bin until the residual gas is removed. The manufacturer should decide the appropriate disposal classification and method according to the disposal time.

Discard precautions: Operators should wear appropriate personal protective equipment.

14. Transport information

CNDG

UN number: 1950

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

Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Packing group -

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



IATA

UN number: UN1950

UN proper shipping name : Aerosols, flammable, Limited Quantity

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

Class 2.1

Subsidiary risk -

Label(s) 2.1

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: UN1950

UN proper shipping name: Aerosols, flammable, Limited Quantity

Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Packing group : Not applicable.

Environmental hazards

Marine pollutant: : No

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

Transportation precautions: During transportation, the transportation vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment. It is best to transport them sooner or later in summer. Wet packaging with oxidants, strong acids, strong alkalis, and edible chemicals is strictly prohibited. Avoid exposure to the sun, rain, and high temperature during transportation. Stay away from fire, heat sources, and high-temperature areas during stopovers. It is forbidden to use mechanical equipment and tools that easily generate sparks for loading and unloading. When transporting by road, you must follow the prescribed route and do not stop in residential areas and densely populated areas. It is forbidden to drop off during railway transportation. It is strictly forbidden to transport in bulk by wooden ships or cement ships.

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.

The substance is classified as Class 2.1 flammable liquid in the Catalogue of Hazardous Chemicals (State Administration of Work Safety).

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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