Guangdong Sanvo Chemical Industry Technology Limited

Safety Data Sheet

1. Identification of Chemicals and Manufacturer

English name of chemical: **Cockpit Protector**

Manufacturer: Guangdong Sanvo Chemical Industry Technology Limited

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Recommended use: Clean the ash layer and dirt on the surface of the car interior and form a long-lasting glazing protective film. Contains anti-static factors to reduce the accumulation of ash in the car.

2. Hazards Identification

Extremely flammable aerosol. Pressurized container may rupture when exposed to heat or flame. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness. Causes skin irritation.Toxic to aquatic life with long lasting effects.

GHS-classification		
Physical hazards	**Aerosols**	**Category 1**
Health hazards	Skin corrosion/irritation	Category 2
	Specific target organ system toxicity primary contact	Category 3 Anesthesia effect
	Inhalation hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 2
		Category 2

Other hazards which do not result in classification **Not classified.**

Label elements

Pictograms

GHS-labeling

Signal word Danger

Hazard statement	Extremely flammable aerosol. Pressurized container may rupture when exposed to heat or flame. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness. Causes skin irritation.Toxic to aquatic life with long lasting effects.
Precautionary statement **Prevention**	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.

3. Component/ Composition Information

Substance/mixture Mixture

Chemical Entity	CAS No.	Proportion（%）
Silicone Fluid	9006-65-9	1-5
Isohexane	107-83-5	55-65
Fragrance	N/A	0.1-1
LPG	68476-85-7	30-40

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	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

5. Fire-fighting measures

Extinguishing media	Foam. Powder. Carbon dioxide (CO2).
Extinguishing media to avoid	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards	Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.
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): 1**00 [Toluene]; No data [Isohexane];50 [Methanol];**

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: Rubber and Oil resistant.

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

Physical state	Liquid
Form	Aerosol.
Colour	Colorless
Odour:	Solvent
pH value:	Not available.
Melting point/freezing point (℃)	Not available.
Boiling point (℃)	Not available.
Initial boiling point (℃)	Not available.
Boiling range (℃)	Not available.
Flash point (℃)	Not available.
Lower Explosive limit [%(V/V)]	1.2[isohexane]
Upper Explosive limit [%(V/V)]	7.0[isohexane]
Vapor Pressure (kpa)	Not available.
Ralative Vapor density (air = 1)	0.60~0.70
Solubility	Slightly soluble in water, soluble in esters, aromatic, chloroform and other organic solvents.
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. Contact with incompatible materials.
Incompatible materials	Acids. Strong oxidizing agents. Alkalies.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

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

Toxicological data of main harmful component- **Isohexane**:

Acute toxicity: LD50: 25mg/kg (mouse oral); LC50: 48000mg/4H (mouse inhalation).

Subacute and chronic toxicity: rats inhaled 2.76g/m3/day for 143 days, reduced nocturnal activity, mild abnormal reaction of the reticuloendothelial system, demyelination of peripheral nerves, mild axon changes, mild gastrocnemius muscle fibers Shrinking.

Irritation: Rabbit eyes: 162mg, moderate irritation. Rabbit skin: 810mg/24 hours, severe stimulation.

DNA inhibition: 5000ppm/hour of human fibroblasts (continuous).

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: 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.

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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