



MATERIAL SAFETY DATA SHEET

Product Name: Unscented Spray

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name: ZHONGSHAN TENTOP FINE CHEMICAL CO.,LTD

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Formula No.: AM003-05

MSDS Date: 25 JULY 2014

2. HAZARDS IDENTIFICATION

i 、 RISK PHRASES

- ①. Flammable.
- ②. Irritating to eyes and skin.
- ③. May cause sensitisation by inhalation and skin contact.

ii 、 SAFETY PHRASES

- ①. Keep away from sources of ignition - No smoking.
- ②. Avoid contact with skin and eyes.
- ③. Wear suitable protective clothing.
- ④. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

iii 、 CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	1950	DG Class	2.1
Subsidiary Risk(s)	None Allocated	Hazchem Code	2Y
EPG	2D1	Packing Group	None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No	Content
Ethanol	C ₂ H ₆ O	64-17-5	5-30%
1,1,1,2-tetrafluoroethane	C ₂ H ₂ F ₄	811-97-2	70-95%

4. FIRST AID MEASURES

i 、 **Eye:** Rinse thoroughly with water for 15-20 minutes is recommended, if you still feel discomfort or irritation persists, contact your doctor.

ii 、 **Inhalation:** If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Airline respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

iii、 **Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If discomfort persists, consult a doctor.

iv、 **Ingestion:** Ingestion product may require medical attention. In case of ingestion, and drink the right amount of diluent (water or milk), and symptomatic treatment. Do not induce vomiting. Ingestion is considered unlikely due to product form.

v 、 **Notice :** First aid treatment: 1, should call the hospital emergency room or family physician instructions and consult if anything unusual happen again determine how to deal with; 2 symptoms after the accident to be processed under the guidance of doctors.

5. FIRE FIGHTING MEASURES

i 、 **Flammability:** Flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources, including cigarettes, open flames, spark producing switches/tools, heaters, pilot lights, mobile phones etc. when handling. Aerosol cans may explode above 50°C.

ii 、 **Fire and Explosion:** Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

iii、 **Extinguishing:** Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways.

6. ACCIDENTAL RELEASE MEASURES

i、 **Spillage:** If cans/containers are punctured (bulk), use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Collect and allow to discharge outdoors. Contain spillage, then cover / absorb spill with non-combustible absorbant material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

7. STORAGE AND HANDLING

i、 **Storage:** Store in a cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection and ventilation systems.

ii、 **Handling:** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

i、 **Biological Limits:** No biological limit allocated.

ii、 **Engineering Controls:** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

iii、 **PPE:** Wear splash-proof goggles, neoprene or nitrile gloves and safety glasses. When using large quantities or where heavy contamination is likely, wear: coveralls. At high vapour levels, wear: a Type A-Class P1 (Organic gases/vapours and Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless (Aerosol Dispensed)	Solubility (Water)	Soluble
Odour	Ethanol Odour	Specific Gravity	1.06-1.09

pH	NOT AVAILABLE	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	Flammable
Vapour Density	NOT AVAILABLE	Boiling Point	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Upper Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE	Lower Explosion Limit	NOT AVAILABLE
Autoignition Temperature	NOT AVAILABLE		

10. STABILITY AND REACTIVITY

i 、 **Material to Avoid:** Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.

ii 、 **Decomposition:** May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

i 、 **Health Hazard Summary:** Low to moderate toxicity - irritant. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. Potential sensitising agent. Over exposure may result in central nervous system (CNS) effects.

ii 、 **Eye:** Irritant. Contact may result in irritation, lacrimation, pain and redness.

iii 、 **Inhalation:** Irritant. Over exposure may result in irritation of the nose and throat, coughing and headache. High level exposure may result in nausea, dizziness and drowsiness. May cause sensitisation by inhalation. Irritant. Contact may result in irritation, redness, rash and dermatitis. May cause sensitisation by skin contact.

iv 、 **Ingestion:** Low to moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain and drowsiness with large quantities. Aspiration may result in chemical pneumonitis and pulmonary oedema. Ingestion is considered unlikely due to product form.

12. ECOLOGICAL INFORMATION

i 、 **Environment:** Aliphatic hydrocarbons behave differently in the environment depending on their size. WATER: Light aliphatics volatilise rapidly from water (half life - few hours). Bioconcentration should not be significant. SOIL: Light aliphatic biodegrade quickly in soil and water, heavy aliphatics biodegrade very slowly. ATMOSPHERE: Vapour-phase aliphatics will degrade by reaction with hydroxyl radicals.

13. DISPOSAL CONSIDERATIONS

i 、 **Waste Disposal:** For small amounts absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer for additional information.

ii 、 **Legislation:** Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

i 、 Vehicles & Packaging dangerous cargo need to have the relevant number, PackingGroup, Package signs and other marked.

ii 、 **Strict compliance with the transport regulations:**

①. People's Republic of China Road Transportation Ordinance;

②. Ship loading of dangerous goods rules;

③. Railway transport of dangerous goods loading and unloading implementation rules, etc.

iii、 **Transportation Note:** Transport packing containers should be preceded by checking completeness, sealed during transport to make sure container does not leak, and it fell not do not fall, no damage. Non-food chemicals and mixed mixed operation. transport vehicle and vessel must be thoroughly cleaned, disinfected, you may not ship the other items. When shipping, equipped with location should be away from the bedroom, kitchen, and isolate with the cabinpower supplyand fire sources and other parts. Accordance with the provisions during transportation routes.

Shipping Name AEROSOLS

UN No. 1950

15. REGULATORY INFORMATION

The chemical Dangerous Goods Safety Management Regulations (17 February 1987 the State Council), the implementation of the chemical Dangerous Goods Safety Management regulations enforcement regulations (the Labor Fa [1992] No. 677), the Labor Safety health facilities rules, the workplace safe use of chemicals ([1996] Lao Bu Fa, No. 423), road traffic safety rules and other regulations for the safe use of hazardous chemicals, production, storage, transport, handling, etc. are made as appropriate.

16. OTHER INFORMATION

i 、 The present the Material Safety data sheet data is according our current the level of

awareness as well as the current country legal establishment.

ii、 Was not agreed by the prior written notice, product must not be used for other purposes other than product data sheet.

iii、 Take the necessary measures to comply with the applicable legal requirements is always a the responsibility of the user.

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End of Report