



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE	A0006
PRODUCT NAME	AMBROXAN
SUPPLIER	Shanghai M & U International Trade Co., Ltd. Rm 1717, No 598 North NuJiang Road 200333 Shanghai, China +86-21-32515501 32515502 sales@mu-intel.com

FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

Primary routes of exposure

Eyes, Skin, Inhalation

Effects of exposure

Chemical may be irritating to the skin, and eyes with prolonged contact. As with clothing wetted with material, may cause more severe irritation and discomfort. Vapors or mist, in excess of permissible concentration, or in unusually high concentration generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the throat and nose, headache, nausea and drowsiness

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Formula	C ₁₆ H ₂₈ O
Molecular Weight	236.40 g/mol
CAS. No	EC. NO
6790-58-5	229-861-2

4. FIRST-AID GUIDE:

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING GUIDE:

Suitable extinguishing media

Avoid carbon-dioxide, foam, or dry chemicals.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary. Protective clothing is recommended. Prevent contact with skin and eyes.

Hazardous combustion products

Carbon dioxide, carbon monoxide, fumes.

Hazardous fire and explosion

Be aware that this chemical is a combustible solid. Avoid heat, sparks and open flames.

6. ACCIDENTAL RELEASE GUIDE:

Personal precautions

Use personal protective equipment. Be in a well ventilated area. Avoid breathing in vapor. Avoid contact with skin, eyes and clothing.

Environmental precautions

Remove source from flame or spark. Contain spill if possible.

Methods and materials for containment and cleaning up

Absorb spill with vermiculite or other suitable absorbent material. Shovel up material and place in approved disposal container. Dispose of in accordance with current local, state, and federal laws and regulations.

7. HANDLING AND STORAGE:

Precautions for safe handling

Avoid breathing in vapors. Avoid contact with skin, eyes and clothing. Avoid prolonged or

repeated exposure. Wash thoroughly after handling.

Conditions for safe storage

Keep container tightly closed, in a cool, dry place.

8. EXPOSURE AND PERSONAL PROTECTION:

This chemical does not contain substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Safety glasses with face shield conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Other Protective Equipment

Safety shower, eye wash.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance

Form	crystals
Color	white
Odor	ambary, woody, tobacco, dry odor

Safety data

Melting point	73.00-75.00 °C @ 760.00 mm Hg
Boiling point	120.00-121.00 °C @ 1.40 mm Hg
Flash point	322.00 °F TCC (161.11 °C)
Density @25°C	not determined
Vapor Pressure	0.009000 mm/Hg @ 25.00 °C (est)
Water solubility	insoluble

10. STABILITY AND REACTIVITY:

Chemical stability

Stable under recommended storage conditions

Materials to avoid

Strong acids, alkalies, and/or oxidizing agents

Hazardous decomposition products

Excessive heat, open flames, or other sources of ignition

11. TOXICOLOGICAL INFORMATION:

LD50 Oral (Rat) > 3100 mg/kg

Potential health effects

Skin May be harmful if absorbed through skin

Eyes May be harmful for the eyes

Inhalation May be harmful if inhaled.

12. DISPOSAL RECOMMENDATIONS:

Product

Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

13. TRANSPORTATION INFORMATION:

DOT (US)

Not dangerous goods.

IMDG

Not dangerous goods

IATA

Not dangerous goods

14. REGULATORY INFORMATION:

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right to Know Components

AMBROXAN CAS-No. 6790-58-5

Pennsylvania Right to Know Components

AMBROXAN CAS-No. 6790-58-5

New Jersey Right to Know Components

AMBROXAN CAS-No. 6790-58-5

OTHER INFORMATION:

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