

PROPOXUR 98% W/W TECH

MATERIAL SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF COMPANY

PILARQUIM (SHANGHAI) Co., LTD.

1500 Hang-Tang Road, Jin-Hui Town, Feng-Xian District, Shanghai, P.R. of CHINA

TEL NO. : (86-21) 5758-9888 (25 lines)

FAX NO. : (86-21) 5758-9666

E-MAIL : sha@pilarquim.com

SECTION 2

IDENTIFICATION OF PRODUCT

Common name : PROPOXUR

Chemical name : 2-isopropoxyphenyl methylcarbamate (IUPAC)

CAS No. : 114-26-1

SECTION 3

HAZARDOUS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

Inhalation, dermal absorption or ingestion of the active ingredient of this product may result in systemic intoxication due to inhibition of the enzyme cholinesterase. The sequence of development of systemic effects varies with the route of entry,

Skin: Wear chemical resistant gloves. (Good practice requires that gross amounts and the onset of symptoms may be delayed an hour or more. First symptoms of poisoning may be nausea, increased salivation, lacrimation, blurred vision and constricted pupils. Other symptoms of systemic poisoning include vomiting, diarrhea, abdominal cramping, dizziness and sweating.

NOTES TO PHYSICIAN

Product contains petroleum distillate - vomiting may cause aspiration pneumonia.

Product contains cholinesterase inhibitor. If symptoms of cholinesterase inhibition present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

ROUTES OF ENTRY

Primary: Skin **Secondary:** Ingestion **Tertiary:** Inhalation

SECTION 4**FIRST AID MEASURES**

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or a trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes. If no burns have occurred -- use soap and water to cleanse skin.

If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing . If patient has stopped breathing administer artificial respirations.

If patient is in cardiac arrest administer CPR.

Continue life supporting measures until medical assistance has arrived.

Remove and wash contaminated clothing.

If patient is exhibiting signs of shock -- keep warm and quiet.

Contact Poison Control Center immediately if necessary. Induce vomiting if swallowed.

Do not administer liquids or induce vomiting to an unconscious or convulsing person.

If patient is vomiting-watch closely to make sure airway does not become obstructed by vomit.

Get medical attention if necessary.

SECTION 5	FIRE FIGHTING MEASURES
<p>Flash point : Data Not available.</p> <p>Extinguishing media : Carbon dioxide, dry chemical powder or spray.</p> <p>No explosion limits are available for this compound.</p>	
SECTION 6	ACCIDENTAL RELEASE MEASURES
<p>IN CASE OF SPILL OR LEAK</p> <p>If container begins to leak (through puncture, etc.), eliminate all ignition sources and allow to discharge completely in well ventilated area, then dispose of as directed below.</p> <p>This product contains no Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemicals. Releases of this product are NOT reportable to the National Response Center.</p> <p>PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL</p> <p>Eyes: Use proper protection – safety glasses as a minimum.</p> <p>Skin: Wear chemical resistant gloves. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)</p> <p>Inhalation: If working in enclosed spaces, wear a NIOSH approved respirator an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.</p> <p>WASTE DISPOSAL METHOD</p> <p>Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all Local, State, and Federal regulations concerning health and pollution to determine approved disposal procedures. Do not contaminate water, food or feed by storage or disposal of wastes.</p>	
SECTION 7	HANDLING AND STORAGE
<p>HAZARDS TO HUMANS AND DOMESTIC ANIMALS</p>	

Keep out of reach of children. CAUTION – Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Do not smoke while using. Provide adequate ventilation of treatment area. Do not allow children or pets in treated areas until surfaces have dried.

STORAGE

Do not contaminate water, food or feed by storage. Store in a cool, dry area away from heat or open flame and inaccessible to children.

SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required when used according to label directions. For prolonged exposure or if used in enclosed areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter may be used.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: White to crystalline
Acidity	: 0.1% max.
Moisture	: 0.3% max.
Solubility	: In water at 20°C, ca. 2 g/l. Soluble in most organic solvents, e.g. alcohols, acetone, methyl ethyl ketone, cyclohexanone, dichloromethane, chloroform.

SECTION 10

STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable

Conditions to Avoid: None known.

Incompatibility (Material to Avoid): Avoid caustics, amines, alkanolamines, aldehydes, strong oxidizing agents and chlorinated compounds.

Hazardous Polymerization: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in possible toxic substances.

SECTION 11

TOXICOLOGICAL INFORMATION

Acute oral LD₅₀ for male rats : 90-128 mg/kg.

Acute oral LD₅₀ for female rats : 104 mg/kg.

This compound is considered to be toxic.

This statement is based upon OSHA's assessment of the LD₅₀.

SECTION 12

ECOLOGICAL INFORMATION

This product is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

SECTION 13

DISPOSAL CONSIDERATIONS

Container Disposal: Do not puncture or incinerate! Empty container by using the product according to the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions.

Waste Disposal: Wastes resulting from the use of this product may be disposed of on site or

at an approved waste disposal facility.

SECTION 14
TRANSPORT INFORMATION

Transport Classification – Road and Rail (ADG), Sea (IMDG):

UN No.: 2757

Proper Shipping Name:

Class: 6.1

Packing Group: II

Additional Information: Propoxur 98% Tech, MARINE POLLUTANT

SECTION 15
REGULATORY INFORMATION

Guidelines for the safe warehousing of pesticides.

Guidelines for the safe transport of pesticides.

The pesticide manage statute.

The safety manage for hazardous chemical statute.

SECTION 16
OTHER INFORMATION

The information and recommendations contained herein are based on information believed to be correct. However, no guarantee or warranty of any kind, expressed or implied is made with respect to the information provided.