

1. Product and Company Identification

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Product Name

Pesticides Malathion

Part Number

RXSOL-94-9402-250

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

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2. Composition / Information on ingredients

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Name of Substance	Cas Number	Weight %
Malathion	121-75-5	1180g/L

3. Hazards Identification

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HAZARD CLASSIFICATION

Xn- Harmful RISK PHRASES: R22 ☐ Harmful if sw with skin. National Poisons Information Centre 131

RISK PHRASES

R22 ☐ Harmful if swallowed

SAFETY PHRASES

S24☐ After contact with skin. National Poisons Infor

GENERAL

No adverse health effects are expected when the pr mishandled (excessive exposure) may cause organ symptoms include headaches, dizziness, nausea, di abdominal cramps, tightness in chest, sweating, l convulsions.

SWALLOWED

ACUTE

The acute oral toxicity is Moderate. Oral LD50 (rat) For product Oral LD50 (rat) 2947mg/kg

EYE

Moderate eye irritant.

SKIN

The acute dermal toxicity is low, however repeat amounts. Repeated skin contact may cause aller (Malathion).

INHALED

For product LD50 > 4315mg/kg.

CHRONIC

The acute inhalation toxicity is moderate. Excess exposure to the dust may cause eye and respiratory (rat) = 5.2 mg/m³ (4 hours) (Malathion).

Repeated exposure may cause cholinesterase inhibi solvent in the product may cause dermatitis.

4. First Aid Measures

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GENERAL

In every case of suspected poisoning contact a doct

SWALLOWED

Seek medical attention immediately. If more than

Eye Contact

tablet every 5 minutes until dryness of mouth occurs. Do not give fluids/tablets if patient is unconscious or comatose.

SKIN

Hold eyelids open and flush eyes with water for 15 minutes. Immediately remove contaminated clothing and wash with soap and water for 15 minutes. If symptoms of poisoning occur, seek medical attention immediately.

INHALED

Immediately remove patient to fresh air. If difficulty breathing occurs, use artificial respiration if necessary. If symptoms of poisoning occur, seek medical attention immediately.

FIRST AID FACILITIES

Soap, water, Ipecac Syrup APF, Atropine tablets.

ADVICE TO DOCTOR

Malathion is a cholinesterase inhibitor. Preferred treatment is by airway puff. This product contains petroleum type emulsifier. Do not be weighed against possibility of chemical poisoning.

5. Fire-fighting Measures

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Flammability

Flammable

Special Hazards from Substance

Reacts violently with water.

Extinguishing Media

Do NOT use water. Use CO2, sand, or extinguishing foam.

Special Fire Fighting Procedures

Use full-face, self-contained breathing apparatus with air supply and eyes. See Section 10 for decomposition products.

6. Accidental Release Measures

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If Material is Released / Spilled

Use appropriate personal protective equipment. Absorb spill with sand, sawdust, or vermiculite. Isolate spill area and provide ventilation. Use high efficiency particulate absolute (HEPA) filter.

Environmental Precautions

Isolate runoff to prevent environmental pollution.

7. Handling and Storage

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SPILLAGE

Wear appropriate clothing while cleaning up spill. Absorb spill with sand, sawdust, or vermiculite. Prevent entry into drainage systems, waterways, or earth or attapulgate to contain the spill. Sweep up spill and dispose of contaminated surfaces with a mild bleach solution.

Storage Conditions.

Store closed in the original container, in a cool, well-ventilated area, away from children. Do not store prepared spray. Only mix with water. Store as a dangerous good in accordance with the EC Regulation.

DISPOSAL

Disposal of contaminated material must be done in accordance with local regulations. Rinse containers with water and add rinsings to tank or puncturing them. Dispose of the empty containers or product. Do not allow chemical contact with streams, ponds or any waterway.

FIRE/EXPLOSION HAZARD

Hazchem: 2WE Malathion will decompose rapidly under certain circumstances. If involved in a fire, toxic compounds will be formed HAZARDOUS DECOMPOSITION products may include dimethyl sulphide, phosphorous pentoxide and nitrogen oxides. If involved in a fire, products such as malaaxon and isomalathion may be formed.

FIRE FIGHTING EQUIPMENT:

Foam, carbon dioxide (CO2), or dry chemical extinguishers. Use personal protective equipment, including self-contained breathing apparatus.

8. Exposure controls and personal protection

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Engineering Controls

Eye Protection

Protective Gloves

Other Protective Clothing

Respiratory Equipment

Work/Hygienic/Maintenance Practice

Use process enclosures, local exhaust ventilation, or other engineering controls to keep exposures below recommended exposure limits.

Safety glasses

Compatible chemical-resistant gloves

Lab coat

NIOSH approved respirator, as conditions warrant

Do not take internally

Facilities storing or utilizing this material should be cleaned thoroughly after handling. No data available.

9. Physical and chemical properties

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Appearance and Odour

Straw to amber coloured liquid with a slightly aromatic odor.

Specific Gravity

1.23 g/ml

Bulk Density

1.23 kg/L

Vapor Pressure

3.4×10^{-6} mm/hg @ 25°C (77°F)

Boiling Point

>300°F / >148.9°C.

Percent VolatileL

Not Established

Evaporation Rate