Material Safety Data Sheet

Pesticide Mala ULV 96 (RXSOL-94-9403-025)

1. Product and Company Identifaction

Product Name	Pesticide Mala ULV 96
Part Number	RXSOL-94-9403-025

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Gandhidham Kandla, Mumbai, Muscat, Chennai,Vizag, Kolkata,Fujairah

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Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Name of Substance	Cas Number	Weight %
Malathion	121-75-5	96.50
Proprietoy Blend Inert Ingredients	----	3.50

3. Hazards Identification

KEEP OUT OF REACH OF CHILDREN – CAUTION	Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. This product is clear yellow-amber colored liquid with a mild petroleum odor .Warning Statements:
NOTE TO PHYSICIAN	This product is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. Symptoms of cholinesterase inhibition include salivation, gastrointestinal hypermotility, abdominal cramping, nausea, diarrhea, sweating, miosis, tearing, blurred vision, headache, dizziness, ataxia, bradycardia, dyspnea, cyanosis, and muscle twitching or tremors. In extreme cases, tetany, mental confusion, incontinence, weakness, collapse, paralysis, convulsive seizures, and even death, can occur.

4. First Aid Measures

If swallowed	Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
SKIN	Immediately remove contaminated clothing and wash skin thoroughly with soap and water for at least fifteen minutes. If symptoms of poisoning occur give atropine tablets as above and seek medical attention immediately.
If in eyes	Hold eye open and rinse slowly and gently with water 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL	1-866-944-8565. Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

5. Fire-fighting Measures

FLASH POINT (°F/Test Method)	325.4OF/163OC (PMCC)
FLAMMABLE LIMITS (LFL & UFL)	None established
Extinguishing Media	Dry chemical, carbon dioxide, foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS	Thermal decomposition products include dimethyl sulfide, sulfur dioxide, carbon monoxide, carbon dioxide, and phosphorus pentoxide.
SPECIAL FIRE FIGHTING PROCEDURES	Wear self-contained breathing apparatus with full protective clothing. Fight fire from upwind and keep all non-essential personnel out of area. Avoid heavy hose streams.
UNUSUAL FIRE AND EXPLOSION HAZARDS	If water is used to fight fire or cool containers, contain runoff by diking to prevent contamination of water supplies. Containers in fire may burst or explode from excessive heat. Stay well back from fire area.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	For small spills, absorb with an absorbent material such as pet litter. Sweep up and transfer to containers for possible land application according to label use or for proper disposal. Check local, state and federal regulations for proper disposal. Flush the area with water to remove any residue.
CAUTION	Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. Handling and Storage

HANDLING	Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
STORAGE	Malathion ULV should be stored in the original unopened container in a secure, dry place. Do not contaminate with other pesticides or fertilizers. The product should never be heated above 55 °C (131 °F), and should not be stored for long periods of time at a temperature in excess of 25 °C (77 °F). Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Do not contaminate water, food or feed by storage or disposal.
PERSONAL PROTECTIVE EQUIPMENT (PPE)	Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, and Viton®. If you want more options, follow the instructions for category (F) on an EPA chemical resistance category selection chart. For all formulations and all use patterns – mixers, loaders, applicators, flaggers, and other handlers must wear: Long sleeved shirt and long pants. Shoes plus socks. Chemical resistant gloves. Chemical resistant apron (for mixers and loaders only).

8. Exposure controls and personal protection

Engineering Controls	Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.
Respiratory Equipment	Not normally required, if vapors or mists exceed acceptable levels, wear a NIOSH approved pesticide respirator.
EYE PROTECTION	Chemical goggles or shielded safety glasses.
SKIN PROTECTION	Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear chemical-resistant gloves.

9. Physical and chemical properties

Apperance and Odour	Clear yellow-amber colored liquid with a mild petroleum odor.
Specific Gravity (Water = 1)	1.231 g/ml
pH	3.7-3.8 (50% solution)
Bulk Density	10.27 lbs/gal.
Vapor Pressure	3.4 x 10-6 mm/Hg @ 25OC
Boilling Point	>300OF/>148.9OC
Percent VolatileL	Not Established
Evaporation Rate	Not established
SOLUBILITY	Emulsifies

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Excessive heat.
INCOMPATIBILITY	Strong alkalis, amines, and strong oxidizing compounds. Can corrode iron, steel, tin plate, lead and copper. Rapidly hydrolyzed at pH>7.0 or 5.0.
HAZARDOUS DECOMPOSITION PRODUCTS	Dimethyl sulfide, sulfur dioxide, carbon monoxide, carbon dioxide, and phosphorus pentoxide.
HAZARDOUS POLYMERIZATION	Will not occur.

11. Toxicological information

Acute Oral LD50 (rat)	5500 mg/kg
Acute Dermal LD50 (rabbit)	> 2000 mg/kg
Eye Irritation (rabbit)	Slight irritation
Skin Irritation (rabbit)	Slight irritation
Inhalation LC50 (rat)	>5.2 mg/L (4 hr)
Skin Sensitization (Guinea Pig)	Not a sensitizer
Carcinogenic Potential	Not listed by NTP, ACGIH, OSHA, or NIOSH as a carcinogen.

12. Ecological information

Toxicity	This pesticide is toxic to aquatic organisms, including fish and invertebrates. This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. 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 when disposing of equipment washwater or rinsate. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. Disposal considerations

PROHIBITIONS	Do not contaminate water, food, or feed by storage and disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function properly.

PESTICIDE DISPOSAL	To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry). CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Containers equal to or less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Containers greater than 5 gallons or 50 pounds: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Do not contaminate water, food or feed by storage or disposal.

14. Transport information

ADR/RID

UN number	UN3082
UN proper shipping name	RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(MALATHION) MARINE POLLUTANT	ERG GUIDE 171
DOT Shipping Description	III
Sub Classes	LESS THAN 10.2 GALLONS NOT REGULATED BY USDOT.
U.S. Surface Freight Classification	INSECTICIDES, INSECT REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120, CLASS: 60)

IMDG

UN number	UN3082
UN proper shipping name	RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(MALATHION) MARINE POLLUTANT	ERG GUIDE 171
DOT Shipping Description	III
Sub Classes	LESS THAN 10.2 GALLONS NOT REGULATED BY USDOT.
U.S. Surface Freight Classification	INSECTICIDES, INSECT REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120, CLASS: 60)

IATA

UN number	UN3082
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15. Regulatory information

SARA Hazard Notification/Reporting	Y
SARA Title III Hazard Category	Y
Release of Pressure	N
Delayed	Y
Reportable Quantity (RQ) under U.S. CERCLA	Malathion (CAS: 121-75-5): 100 pounds.
SARA, Title III, Section 313	Malathion (CAS: 121-75-5) 96.5%
RCRA Waste Code	Not listed
CA Proposition 65	Not listed

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if RX Marine International has been advised of the possibility of such damages.