

**MATERIAL SAFETY DATA SHEET
MOSQUIL (Deltamethrin 2.5 % SC)****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND SUPPLIER**

PRODUCT NAME	:	Deltamethrin 2.5 % SC
CHEMICAL GROUP	:	Synthetic Pyrethroid
RECOMMEDED USE	:	A liquid insecticides concentrate for use as a general purpose pest control spray
FORMULATION	:	Suspension Concentrate
SUPPLIER ADDRESS	:	Arbuda Agrochemicals Pvt. Ltd 1104, Ruby Crescent Business Boulevard, Ashok Chakravarti Road, Kandivali-East, Mumbai 400101, Maharashtra, India Customer Care No. +919076907642 Email - info@arbudaagrochemicals.com
MANUFACTURER ADDRESS	:	Arbuda Agrochemicals Pvt Ltd Plot No-281-283, GIDC, Taluka - Talod District-Sabarkantha, Gujarat- 38321

2. COMPOSITION / INFORMATION ON INGREDIENTS**Components contributing to hazard:**

Deltamethrin	:	Water plus inert Ingredient
2.5 % min	:	Balance
CAS No.	:	52918-63-5

3. HAZARDS IDENTIFICATION

Moderately irritant to skin.

Moderately irritant to eyes.

Unlikely to present any acute hazard in inhalation in normal use.

Hazardous to marine and aquatic life.

4. FIRST AID MEASURES

SKIN CONTACT	Remove all contaminated clothes and shoes. Wash off immediately with soap and plenty of water(15-20 minutes). Get medical attention immediately.
EYES CONTACT	Flush eyes with tap water for at least 15min.Consult an ophthalmologist.
INHALATION	Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately
INGESTION	Drink1 or 2 glasses of water. Induce vomiting by touching back of the throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Consult a physician.
SYMPTOMS	Burning sensations on the skin, irritation of the mucous membranes, coughing and sneezing may be experienced.
OTHER INFORMATION	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA	:	Dry chemical, carbon dioxide, halon, water spray or standard foam.
UNSUITABLE EXTINGUISHING	:	High-pressure water jet media Special exposure hazards. Do not release chemically contaminated Water into drains. Soil and Surface waters
SPECIAL PROTECTIVE	:	As for all fires involving chemicals: chemical Protection suit, suitable Gloves equipment for fire fighters and boots and self-contained Breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	:	Use personal protective equipment.
METHODS FOR CLEANING UP	:	Do not touch spilled material. Stop further Spillage if you can do it without risk. For small Spills, sweep and collect with sand and other absorbent material and place into containers for later disposal. Move containers from the spillage area. For larger spills, dike far ahead of spill for later disposal. Keep uninterested people away. Isolate hazard area and prevent entry of unwanted persons. Ventilate closed space.
ENVIRONMENTAL PRECAUTIONS	:	Prevent contamination of water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	:	Do not eat, drink or smoke when handling; Wash hands before eating, drinking or smoking.
STORAGE	:	Store in locked, well-ventilated storeroom, away from children and unauthorized Personnel, and food and animal feed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION	:	Provide local exhaust or general dilution Ventilation.
EXPOSURE CONTROL LIMITS	:	-
RESPIRATORY PROTECTION	:	Wear a suitable mask.
HAND PROTECTION	:	Wear rubber or plastic gloves
EYE PROTECTION	:	Wear splash-proof or dust-resistant safety goggles.
SKIN AND BODY PROTECT	:	Wear overalls and closed footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	liquid suspension
COLOUR	:	White to off white
RELATIVE DENSITY (WATER =1)	:	1.0 gm/cm ³ (approx.)
RELATIVE VAPOUR PRESSURE	:	@1.
BOILING POINT/RANGE	:	>100°C.
WATER SOLUBILITY	:	Dispersible
FLASH POINT	:	NA

10. STABILITY AND REACTIVITY

STABILITY	:	Stable under normal temperatures and pressure.
CONDITIONS TO AVOID	:	No special precautions other than good housekeeping.
MATERIAL TO AVOID	:	Strong-oxidizing agents.
HARMFUL DECOMPOSITION	:	Thermal decomposition products may emit toxic fumes of hydrogen chloride and oxides of carbon.

11. ECOLOGICAL INFORMATION

MLD CHICKEN	:	No proprietary data available.
MLD PIGEON	:	LD ₅₀ > 2000mg/kg..

TOXICITY TO FISH 96 HRS : LC50 NOEC 0.406mg/lit for rainbow trout.
TOXICITY TO BEE : Oral LD50> 0.1- 0.17pg/bee
 Contact LD50. 07- .014pg/bee

12. DISPOSAL CONSIDERATIONS

PESTICIDED ISPOSAL : Burn in high temperature incinerator with effluent
 Scrubbing or bury in a specially allocated landfill.
 Always dispose of in accordance with local regulations.
CONTAINER DISPOSAL : Contaminated packaging material should be treated as the
 product.

13. TOXICOLOGICAL INFORMATION

ACUTE LD50 ORAL WISTAR RATS 400- 565 mg/kg B.W
ACUTE LD50 DERMAL WISTAR RABBITS >2000 mg/kg B.W
ACUTE LD50 INHALATION RATS >2.6 mg/L(normal concentration)
(4 HRS) four hour exposure.
EYE IRRITATION Moderately irritant.
SKIN IRRITATION Moderately irritant
SKIN SENSITIZATION Non skin sensitizer
CARCINOGEN STATUS Non carcinogenic
MUTAGENECITY Non mutagenic
REPRODUCTIVE TOXICITY Non terratogenic
WHO CLASS Product is unlikely to present any
 acute hazards in normal use.
EPA TOXICITY CLASS Not applicable
ADI (MAN MG/KG) Data not available

14. TRANSPORT INFORMATION

UN NUMBER : Not Applicable
IMDG CLASS : Not applicable
PACKAGING GROUP : III
PROPER SHIPPING NAME : Pyrethroid pesticide liquid
SUBSIDIARY RISK : Not "Dangerous goods" for transport by rail or road

15. REGULATORY INFORMATION

HAZARD SYMBOL : Dangerous for the environment symbol (N)

RISK PHRASES : R 36/ 38- Irritating to eyes and skin

SAFETY PHRASES : S 36/ 37| 39- Wear suitable protective
Clothing, gloves and eye/face protection.

S 57- Use appropriate containment to avoid
environmental contamination.

16. OTHER INFORMATION

MSDS PREPARATION DATE 01/03/2024

REVISION DATE 28/02/2026

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment or work risk as required by other health and safety legislation.