

Deltamethrin Products

Usage

Deltamethrin products are among some of the most popular and widely used insecticides in the world [citation needed] and have become very popular with pest control operators and individuals in the United States in the past five years. [1] This material is a member of one of the safest classes of pesticides: synthetic pyrethroids. While mammalian exposure to deltamethrin is classified as safe, this pesticide is highly toxic to aquatic life, particularly fish, and therefore must be used with extreme caution around water.

There are many uses for deltamethrin, ranging from agricultural uses to home pest control. Deltamethrin has been instrumental in preventing the spread of diseases carried by tick-infested prairie dogs, rodents and other burrowing animals. It is helpful in eliminating and preventing a wide variety of household pests, especially spiders, fleas, ticks, carpenter ants, carpenter bees, cockroaches and bedbugs. Deltamethrin is also one of the primary ingredients in ant chalk.

Malaria control

Deltamethrin plays a key role in controlling malaria vectors, and is used in the manufacture of long-lasting insecticidal mosquito nets. It is used as one of a battery of pyrethroid insecticides in control of malarial vectors, particularly *Anopheles gambiae* and *Aedes aegypti*, and whilst being the most employed pyrethroid insecticide, can be used in conjunction with, or as an alternative to, permethrin, cypermethrin and other organophosphate-based insecticides, such as DDT, malathion and fenthion. Resistance to deltamethrin (and its counterparts) is now extremely widespread and threatens the success of worldwide vector control programmes.

Recently, in South Africa, residues of deltamethrin were found in breast milk, together with DDT, in an area that used DDT treatment for malaria control, as well as pyrethroids in small-scale agriculture. [2]

Basic Identification Information About This Chemical

Chemical Name: Deltamethrin

CAS Number: 52918-63-5

U.S. EPA PC Code: 097805

CA DPR Chem Code: 3010

Molecular Weight: 505.2



Category: Insecticide Specifications: Technical grade: 98% a. I.

Formulation: 2.5EC. Other: PHYSICAL CHEMISTRY:

Pure product is rhombic acicular crystal, m.p. 101-102°C, vapor pressure: 2.0pa(2.5°C). Technical grade is white powder, m.p. 98-101°C. Insoluble in water under normal temperature, soluble in acetone, dimethyl, benzene and most aromatic solution. Relatively stable in medium, not in passivity medium.

APPLICATION:

Effective against a broad range of pests of cotton, rice, fruit, vegetables, tea, tobacco etc. Have special effect on orthoptera and some sanitary pest.

USE PRECAUTION:

- 1) Do not use in mixture with other alkali pesticides.
- 2) Do not keep in plastic container.
- 3) Harmful to silkworms, bees, fishes.
- 4) Harmful to eyes, nose, skins. If swallowed, get medical attention.

RECOMMENDATION FOR USE:

Crops	Target pests	Use rate(a.i.g./ha)	Method
Cotton	Cotton bollworm, pink bollworm	24-40	Spray
Vegetables	Aphids, cabbage caterpillars	12-40	Spray
Fruits	Fruit moths, peach moths, citrus leaf miners	2000-3000times	Spray

Note : Information given above is guideline best to our knowledge.

Recommendation made are without any guarantee since condition use are not in our control.

Packing available : small pack to 200 liter bulk Packing and as per customer requirement.

Recommandation : (Guideline)

1. Commodity & spray area :
Wheat & Rice, (Grains & seeds In snacks) , Walls, ceilings & floors of godown.
2. Name of pest / Insect :
Mosquito , Rice Weevil, Lesser Grain borer, Khapra beetle, Rust red flour beetle, Rice moth, Almond moth.
3. Application Insect pest : For Public Health purpose
4. Dosage / 50gm : a.i. : 625 – 1250 mg
Formulation : 25 gm – 50 gm
5. Quantity water : 1.5 – 2.5 liter

If you have questions regarding any Taj Agro Products Limited product you Contact To Our No. 30601000

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Contact Us

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