

MATERIAL SAFETY DATA SHEET

DELTA SUPER

1. PRODUCT AND COMPANY IDENTIFICATION

Revised : 01.09
Product Name : Delta super (kick down)
Manufacturer/Supplier : Tapazol Ltd.
Address : Beit Shemesh
Telephone No. : 02-9926040
Fax No. : 02-9926050
Product Type : deltamethrin, s-bioallethrin, surfactants, preservative and solvents in an aqueous base.

2. COMPONENT COMPOSITION /INFORMATION

Hazardous Constituents

Deltamethrin 2.5% w/w (T, N, R20/25, R50/53)

S-bioallethrin 2% w/w/ (Xn, N, R20/21/22, R50)

3. HAZARDS IDENTIFICATON

Toxicity

Harmful by inhalation

May give rise to transient irritation of eyes, skin and mucous membranes

Toxic to fish and other aquatic life

4. FIRST AID MEASURER

Contact with Skin

Remove all contaminated clothes (launder before re-use) and shoes.

Wash off skin immediately with soap and plenty of water.

Seek medical advice if irritation occurs/persists.

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Contact with Eyes

Rinse immediately with cool water for at least 15 minutes.

Seek medical advice immediately.

Symptoms: Sensations of eye irritation may occur

In case of Ingestion

Wash out mouth with water. Ensure airway is clear.

Do not give anything to eat or drink

Seek medical advice immediately.

Do NOT induce vomiting

Symptoms: Burning sensations in the mouth, nausea, vomiting, headaches, and dizziness.

In case of Inhalation

Remove patient to fresh air, rest and keep warm.

Should inhalation occur seek medical advice immediately

Symptoms: Upper airway irritation, headaches, and dizziness.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Foam, dry agent, carbon dioxide

Unsuitable Extinguishing Media

Water jet

Fire and Explosion Hazards

Not combustible. Heating can give rise to irritating and toxic fumes

Special Protective Equipment

Self-contained breathing apparatus and suitable protective clothing.

Other Recommendations

DO NOT release contaminated water into the environment.

Keep intact containers.

Keep cool by spraying with water.

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6. **ACCIDENTAL RELEASE MEASURES**

Environmental Precautions

Wear suitable protective clothing and boots.
Absorb onto sand, earth or other inert material
Transfer to a closed container for safe disposal.
Do not allow to enter drains and sewers.
Decontaminate spillage site thoroughly

7. **HANDLING AND STORAGE**

Storage

Keep in original container and tightly closed.
Protect from direct sunlight and store in a cool, dry place ($<38^{\circ}\text{C}$). Keep out of reach from children.
Keep away from food, drink and animal feed stuffs.

Shelf Life

Two years at temperatures not exceeding 30°C

Recommended Packaging Material

FHDPE, co-extruded polyethylene.

Precautions

Prevent contact with skin and eyes by wearing suitable protective clothing.
Avoid ingestion and inhalation.
Wash hands and exposed skin after work and before meals.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Personal Protection

Coveralls, eye-glasses, gloves (neoprene/nitrile), boots, respiratory protective equipment, e.g. EN405

Occupational Exposure Limit (Manufacturers Recommended)

Deltamethrin, S-bioallethrin: NA

Aliphatic hydrocarbon solvent – TWA 1200 mg/m³

Polypropylene Glycol – TWA 100 ppm

9. PHYSICAL/CHEMICAL PROPERTIES

Physical State	:	White opaque viscous liquid
Flash Point	:	Not Applicable
Solubility	:	Immiscible with oil, dilutes in water
Density (20°C)	:	1.02 g/ml (approx.)
pH	:	4.8 (approx.)

10. STABILITY AND REACTIVITY

Hazardous Reactions	:	None known
Hazardous Decomposition Products	:	None known
Heat Stability	:	Do not expose to temp. exceeding 38°C

11. TOXICOLOGICAL INFORMATION

Product Acute Toxicity Data

LD ₅₀ Oral (Rat, male & female)	:	> 5000 mg/Kg
LD ₅₀ Dermal (Rat, male & female)	:	> 5000 mg/Kg
LC ₅₀ Inhalation (Rat, male & female)	:	> 4.7 mg/L
Dermal & Ocular Irritantcy	:	Product is non-irritant and not a skin sensitiser in primary tests.

Possible Product Symptoms

Skin Contact	:	Sensations of skin irritation
Eye Contact	:	Sensations of eye irritation
Inhalation	:	Upper airway irritation, headaches, dizziness
Ingestion	:	Burning sensations in mouth, nausea, vomiting, headaches, dizziness.

12. ECOLOGICAL INFORMATION

Do not contaminate ponds, ditches, waterways or ground with the product or used containers.

Deltamethrin and S-bioallethrin are not persistent in the environment. They are destroyed by soil micro-organisms and do not leave residues in the environment or build up in food chains.

Toxic to fish and other aquatic life.

DELTAMETHRIN (96 Hr. LC ₅₀ Flow Through)	
Bluegill Sunfish (Dimethyl Formamide, static)	1.4 ug/L
Rainbow Trout (Acetone)	0.15 ug/L
Daphnia (Acetone, 48 Hr. EC50, static)	3.5 ug/L

Mallard Duck LD ₅₀ acute oral	>4640 mg/Kg
Bobwhite Quail LD ₅₀ dietary	>8039 mg/Kg

S-bioallethrin LC ₅₀ (96 Hr. Flow Through)	
Rainbow Trout	13 ug/L
Bluegill Sunfish	36 ug/L
Channel Catfish	14.6 ug/L

Mallard Duck	>5620 mg/Kg in diet
Bobwhite Quail	>5000 mg/Kg in diet

13. DISPOSAL CONSIDERATIONS

Wash out container thoroughly and dispose of both rinsing and empty containers safety in accordance with local and national regulations .

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14. TRANSPORT INFORMATION

By Air (ICAO)

Not restricted

By Road (ADR)

Not restricted

By Sea (IMDG)

Environmentally hazardous substances, liquid N>O>S> (Deltamethrin 2.5%) UN 3082, Class 9, MARINE POLLUTANT, Packing Group 111) (IMDG Code-Page 9028 Amdt 25-89) (No hazard label required) (Mark: Marine pollutant, NB small pack exemption to mark for a MARINE POLLUTANT

HS Customs Tariff Code Number: 380810 10 00 (R)

15. REGULATORY INFORMATION

Symbols	:	Xn
Risk Phrases	:	R20, S2, S13, S20/21, S23, S35, S46, S51
Safety Phrases	:	Harmful by inhalation
Safety Advice	:	Keep out of reach of children. Keep away from food, drink and animal feed stuffs. When using do not eat, drink or smoke. Wear suitable protective clothing. This material and its container must be disposed of in a safe way. If swallowed, seek medical advice immediately, and show container or label.

16. OTHER INFORMATION

The information provided in this Safety Information Sheet is supplied in good faith and is accurate at the date of its publication. The intention is to give sufficient information about the product and its properties to enable the user to formulate his own procedures for the safe use of the product in terms of health and safety of all concerned and the protection of the environment. The label on the container should be carefully studied.

Abbreviations Used

(R) Denotes information in paragraph has been revised

TWA Time Weighted Average

