

DELTA 7WP - SDS

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1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Name: Delta 7 WP
Appearance: Off-white fine powder
Relevant identified uses of the substance or mixture and uses advised against
Intended use: Surface residual spray for the control of flying and crawling insects.

Details of the supplier of the Safety Data Sheet:

Manufactured & distributed by: Synvita (Pty) Ltd

Registration Holder: Lifeguard Sciences (Pty) Ltd

Reg. No. 2014/079879/07

3 Pentrich Road, Masons Mill

Pietermaritzburg, 3201

+27 33 346 1920

Emergency telephone numbers: Griffon Poison Information Centre (082) 446 8946.

2) COMPOSITION / INFORMATION ON INGREDIENTS

Classification of the substance or mixture
Classification according to EC 1272/2008
Acute Toxicity; Inhalation, Category 4 H332
Acute Toxicity; Inhalation, Category 4 H332
Hazardous to the Aquatic Environment, long-term Hazard, Category 1 H410

Label elements:

Hazard pictogram:



Signal Word: Warning!

Hazard statements:

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H400: Very toxic to aquatic life

Publication Date: January 2008

Revised in: July 2026

Revision number: 6

H413: May cause long lasting harmful effects to aquatic life.

Precautionary statements:

Prevention	Response	Disposal
P264 Wash affected area thoroughly after handling.	P301+ P317 IF SWALLOWED: Get medical help.	P501 Dispose of the contents/container in accordance with the local regulations.
P270 Do not eat, drink or smoke when using this product.	P330 Rinse mouth	
P261 Avoid breathing dust/ fume/gas /mist /vapours /spray.	P303+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P271 Use only indoors or in a well-ventilated area.	P391 Collect spillage	
P273 Avoid release to the environment.		

3) HAZARDS IDENTIFICATION

Substances:

Chemical name	concentration	Cas Number	Classification
Deltamethrin	<10%	52918-63-5	Acute tox.3(Oral) Acute Tox. 3 (Inhalation) Aquatic Acute Tox. 1 Aquatic Chronic Tox. 1
Piperonyl Butoxide	<50%	51-03-6	Aquatic acute tox 1 (M=1) Aquatic Chronic tox 1 (M=1)
Emersense AS 946 N	>1%	85586-07-8	Aquatic Chronic 3 Skin Irrit. 2 >= 10 - < 20 Acute Tox. 4 Oral Eye Damage 1 >= 20

4) FIRST AID MEASURES

Route of exposure.	Response
Eye:	Wash thoroughly with clean water and seek medical advice.
Skin:	Take off all contaminated clothing immediately. Wash off thoroughly with soap and water. Avoid prolonged contact with skin. After skin contact: Apply Vitamin E cream. When symptoms persist or in all cases of doubt seek medical advice.
Ingestion:	Do not induce vomiting. Wash mouth with water, seek medical attention immediately
Inhalation:	Avoid excessive inhalation. Remove person to a well-ventilated area.

Most important symptoms and effects, both acute and delayed.

No episodes of damage to health ascribable to the product have been reported.

Indication of any immediate medical attention and special treatment needed.

If misuse of this product results in accidental illness **SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS SDS TO THE MEDICAL PRACTITIONER.**

5) FIRE FIGHTING MEASURES

Extinguishing media: Water spray jet, carbon dioxide (CO₂), dry powder, foam.
Special hazards arising from the substance or mixture: Not known.

Advice for firefighters

Special protective equipment: Chemical impermeable gloves, safety goggles or face shield, effective protection or self-contained breathing apparatus as dictated by circumstances, full-length protective clothing and boots.

No unprotected person should be allowed in the vicinity. Cool down container with water. Decontaminate area thoroughly by removing all spillage.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid dust formation.

Avoid contact with spilled product or contaminated surfaces.

When dealing with a spillage do not eat, drink or smoke.

Environmental precautions:

Keep people and animals away.

Do not discharge into the drains/surface water/groundwater.

Methods for cleaning up:

Vacuum up spilled product.

Transfer collected material to heavy duty plastic drums and keep safe for disposal.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Reference to other sections

Any information on personal protection and disposal is given in section 13.

7) HANDLING AND STORAGE

Handling Warnings: Do not eat or drink while working with product. Avoid dust formations.

Precautions: Avoid contamination of food, feed stuffs and drinking water.

Storage: Keep container tightly closed in a dry and well-ventilated place. Store in a place accessible by authorized persons only.

Specific end use(s): The identified uses for this product are detailed in Section 1.2.

Usage description See Product Information Sheet & Label for detailed use of this product.

8) EXPOSURE CONTROL/PERSONEL PROTECTION

Protective clothing: Chemical resistant gloves (nitrile rubber, PVC disposable gloves), close fitting chemical resistant safety goggles and/or face shield, effective respiratory protection (dust mask), full length protective clothing and PVC boots must be worn when handling this material in an emergency.

Hygiene measures: When using, do not eat, drink or smoke. Remove soiled clothing immediately.

Remove soaked clothing immediately. Clean hands and face at work intervals and after work. Work in an adequately ventilated room.

9) PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Free flowing Wettable Powder

Colour: Off White

Odour: Characteristic odour.

Weight: Varies according to can size

Melting point/ freezing point:	Not known.
Boiling point:	Not known.
Flammability:	Extremely flammable aerosol.
Flammability limit:	Not known.
Flash point:	Not known.
Auto-ignition temperature:	Not known.
Decomposition temperature:	Not known.
pH:	Not known.
Kinematic viscosity:	Not known.
Solubility:	Not soluble.
Partition coefficient:	Not known.
Vapour pressure:	Not known.
Density:	Not known.
Relative vapour density:	0,43g/cm ³
Particle characteristics:	Not applicable.
Other information:	Information not available.

10) STABILITY AND REACTIVITY

Reactivity: There are no risks of reaction with other substances in normal conditions of use.

Stability: Stable under normal conditions. (Maintain between 4°C and 30°C)

Possibility of hazardous reactions: No hazardous reactions are foreseeable in normal conditions of use and storage.

Conditions to avoid: There are no known conditions that are likely to result in a hazardous situation.

Incompatible materials: None

Hazardous decomposition products: Avoid inhalation of fumes

11) TOXICOLOGICAL INFORMATION

Toxicological effects:	We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.
Acute toxicity	Category 4(Oral). ATEmix= 1179.6 mg/kg. Category 4(Inhalation). ATEmix= 3.29 mg/L Not classified (dermal).
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-Single exposure	Not classified.
STOT- Repeated exposure	Not classified.
Aspiration hazard	Not classified.

12) ECOLOGICAL INFORMATION

Potentially Hazardous for the environment.

Toxicity Hazardous to the Aquatic Environment, Acute Hazard, Category 1. (Piperonyl Butoxide)

Calculated LC50(mixture) for fish (96 hours)	Calculated EC50(mixture) for Crustacea (48 hours)	Calculated EC50(mixture) for Algae (72 hours)
3.94 mg/L	0.51 mg/L	3.89 mg/L

Hazardous to the aquatic environment, long-term hazards, Category 1. (Piperonyl Butoxide)

LC50 for fish	EC50 for Crustacea	EC50 for Algae
0.18 mg/L	003 mg/L	0.824 mg/L

Avoid release to the environment.

Persistence and degradability: Information not available.

Bioaccumulative potential: Information not available.

Mobility in soil: Information not available

Results of the PBT and vPvB assessment: Information not available.

Avoid contamination of the earth as well as surface and ground water.

13) DISPOSAL CONSIDERATION

Waste treatment methods

Accidental Spillage: Collect Delta 7 and transfer to the original container or to a suitable waste container and dispose of waste in accordance with local and /or national regulations.

Disposal of Used Packing Material: Destroy the empty container by perforating and flattening and unused product as for toxic waste in accordance with local and /or national regulations. Do not re-use for any other purpose.

14) TRANSPORT INFORMATION

UN Number	UN Proper shipping name	Transport hazard class	Packaging group	Environmental hazard	Special precautions for user
3	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)	9	III	Very toxic to the environment with long last effects.	Keep away from foodstuff. Do not transport with food and feed stuffs.

Declaration for land shipment: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)

Declaration for sea shipment: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)

Declaration for shipment by air: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)

15) REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Chemical safety assessment: Information not available.

16) OTHER INFORMATION

Abbreviations and acronyms used in the SDS PBT: Persistent, Bioaccumulative and Toxic **substance**.

vPvB: Very Persistent and Very Bioaccumulative.

ATE: Acute Toxicity Estimate.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG: International Maritime Dangerous Goods.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

REACH: Registration, Evaluation, Authorizations and Restriction of Chemicals Regulation

GHS: Globally Harmonized System.

Spec Conc Limits = Specific Concentration Limits.

Classification abbreviations and acronyms Acute Tox. = Acute toxicity

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Skin Corr. = Skin corrosion

Skin Irrit. = Skin irritation

Key literature references and sources for data Safety Data Sheet, Miscellaneous manufacturers. CLP Class Table 3.1 List of harmonized classification and labelling of hazardous substances. ECHA - C&L Inventory database.

Classification procedures: Calculation Method. **According to Regulation (EC) 1272/2008 Revision comments** Safety Data Sheet amended in accordance with GLOBALLY HARMONISED SYSTEM OF HAZARDS CLASSIFICATION AND LABELING (Changes to Sections 2,3,9,11,12, &16)

SDS status

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3.1) and Statements relating to this Product see Section 2.

Hazard statements in full

H303: Harmful if swallowed.

H333: Harmful if inhaled.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Note: The data contained herein is based on current knowledge and information on the date of publication and is given in good faith but without warranty. No responsibility is accepted for non-identified uses or incorrect use. It is the responsibility of the user to take necessary measures to comply with the legal requirements for specific uses and avoid negative health effects.