

Safety Data Sheet


Deltaphar[®] 25EC

Date of issue: 30th March, 2011

1) Identification of Substance:	
Product name:	Deltaphar 25EC
Active Ingredient(s):	Deltamethrin 25 g/L EC
ACVM Approval:	P5452
ERMA Approval:	HSR000328
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adriacp.co.nz
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766
2) Hazards Identification:	
HSNO Classifications:	3.1C, 6.1D, 6.3B, 6.4A, 6.9B, 9.1A, 9.3B, 9.4A
Risk and safety phrases:	Harmful by inhalation and if swallowed. Irritating to respiratory system. Risk of serious damage to eyes. Harmful : danger of serious damage to health by prolonged exposure if swallowed. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
Dangerous Product	Flammable. May form flammable vapour-air mixture.
Environmental hazard	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Primary route of exposure	Vapours inhalation. Skin contact.
Symptoms relating to use:	
Inhalation	Harmful. Inhalation of vapours may cause respiratory irritation. Overexposure to vapours may result in headache, nausea and reduced blood pressure.
Skin contact	Redness, pain. May cause skin to become dry or cracked.
Eye contact	Direct contact with the eyes is likely irritating.
Ingestion	Abdominal pain, nausea. Harmful: may cause lung damage if swallowed.

3) Composition Details:		
Chemical identity:		Deltamethrin 25 g/L EC
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Deltamethrin	052918-63-5	2.4-3%
4) First Aid Measures:		
General Information:		
Skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.	
Eye contact:	Check for and remove any contact lenses. In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain medical attention if pain, blinking or redness persist.	
Ingestion:	If swallowed, rinse mouth with water (only if the person is conscious). DO NOT INDUCE VOMITING. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	Assure fresh air breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice.	
5) Fire-Fighting Measures:		
Flammable Class	This product is flammable.	
Prevention	Keep away from sources of ignition. No smoking.	
Specific hazards:	May form flammable vapour-air mixture. Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides. Halogens.	
Extinguishing media and methods:	Small fire: Dry chemical. Large fire: Foam. Water spray. Water fog. Do not use a heavy water stream. Surrounding fires: Use water spray or fog for cooling exposed containers.	
Recommended protective clothing:	Do not enter fire area without proper protective equipment, including respiratory protection.	
Special procedures	Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.	
6) Accidental Release Measures:		
Personal precautions:	No smoking. Eliminate every possible source of ignition. Keep public away from danger area. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.	

Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Spill procedures:	Clean up any spills as soon as possible, using an absorbent material to collect it.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
7) Handling & Storage:	
General	Keep away from sources of ignition - No Smoking. Do not breathe vapours.
Precautions in handling and storage	Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.
Technical Protective Measures:	Use grounded electrical/mechanical equipment.
Handling:	Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Storage:	Keep in fireproof place. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.
8) Exposure Control / Personal Protection:	
Personal Protection	
Industrial hygiene:	Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Respiratory protection:	Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
Eye protection:	Chemical goggles or face shield with safety glasses.
Hand protection:	Wear suitable gloves resistant to chemical penetration.
Skin Protection:	If skin contact or contamination of clothing is likely, protective clothing should be worn.
General Safety & Hygiene measures:	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work.

9) Physical & Chemical Properties:	
Form:	Liquid
Colour:	Yellow
Odour:	Aromatic
Melting point/boiling point:	-
Density:	0.897
Surface tension:	-
pH:	5.9
Flash point [°C]:	>43
Ignition Temperature: [°C]:	-
Explosive Limits:	N/A
Viscosity:	1.38 mm ² /s (20°C)
Solubility in water	Emulsion.
10) Stability & Reactivity:	
Physico-chemical stability	Stable.
Hazardous decomposition products	According to process conditions, hazardous decomposition products may be generated. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides. Halogens.
Materials to avoid:	Strong acids. Strong oxidizers.
Hazardous reactions:	May release flammable gases.
Conditions to avoid	Open flame. Sparks. Overheating.
11) Toxicological Information:	
Acute toxicity: - Inhalation - Dermal - Ocular	Irritating to respiratory system. Slight irritant. Non-sensitizer. May cause minor irritation.
Rat oral LD50 [mg/kg]	No data available.
On ingredients	See Heading: Information on ingredients.
12) Ecological Information:	
Ecological effects information	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute fish toxicity:	No Data available.
On ingredients	See Heading: Information on ingredients.
13) Disposal Considerations:	
Disposal: 	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.

14) Transportation Information:

Rail/road (RID/ADR):

HYDROCARBONS, LIQUID,N.O.S.
(HYDROCARBON-SOLVENTS
(AROMATIC), DELTAMETHRIN), Class 3
Packing group III; UN: 3351



Sea (IMDG code):

HYDROCARBONS, LIQUID,N.O.S.
(HYDROCARBON-SOLVENTS
(AROMATIC), DELTAMETHRIN), Class 3
Packing group III; UN: 3351



Air (ICAO/IATA):

HYDROCARBONS, LIQUID,N.O.S.
(HYDROCARBON-SOLVENTS
(AROMATIC), DELTAMETHRIN), Class 3
Packing group III; UN: 3351



15) Regulatory Information:

Approved handlers:

This product must be under the care of an approved handler during use.

Tracking:

No.

ACVM controls:

See www.nzfsa.govt.nz/acvm/ for registration conditions.

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