



SANONDA
MATERIAL SAFETY DATA

Sanonda (Australia) Pty.Ltd.
A.C.N. 059 813 973
Suite 822 St Kilda Road Towers,
No. 1 Queens Road,
Melbourne, VIC 3004

PRODUCT NAME:

SANONDA CYPERMETHRIN 200 EC

Hazardous according to criteria of Worksafe Australia

Emergency Phone: 000 or 131126 State Poisons Information Centre

IDENTIFICATION SECTION

MSDS No. 023a Date: 21.05.2009 Supersedes: 023

Manufacturer: Sanonda (Australia) Pty. Ltd.
Suite 822 St Kilda Road Towers,
No. 1 Queens Road,
Melbourne, VIC 3004

Telephone Number: 03 9863 8081

PRODUCT INFORMATION

Trade Name: Sanonda Cypermethrin 200 EC

Active Constituent: 200 g/L Cypermethrin (typical cis/trans ratio 45:55)

Chemical Name of Active Constituent:
3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano
(3-phenoxyphenyl)-methyl ester

Chemical Formula of Active Constituent: C₂₂H₁₉CL₂NO₃

Chemical Family: Synthetic pyrethroid insecticide

UN No: 2903 Packing Group: III Hazchem Code: 2WE
Poisons Schedule: S5 DG Class: 6.1(b)
Shipping Name: Pesticides liquid, flammable, toxic, N.O.S.

INGREDIENTS:

CHEMICAL ENTITY	CAS NO	PROPORTION
Cypermethrin (typical cis/trans ratio 45:55)	52315-07-08	200 g/L
Aromatic Solvent	secret	< 80%
Non Hazardous Emulsifier	secret	< 10 %

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SHEET

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FIRST AID PROCEDURES

INHALATION:

FIRST AID - Remove from exposure area to fresh air immediately. Avoid becoming a casualty. Maintain airway and blood pressure and administer oxygen if available. Keep affected person warm and at rest. Treat symptomatically and supportively. Administration of oxygen should be performed by qualified personnel. Get medical attention immediately.

SKIN CONTACT:

FIRST AID - Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes). If swelling, redness, blistering or irritation occurs seek medical attention immediately.

EYE CONTACT:

FIRST AID - Wash eyes immediately with large amounts of water or normal saline, with eyelids held open, until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.

INGESTION:

FIRST AID - If the person is conscious and not convulsing, remove by giving syrup of Ipecac (if vomiting occurs, keep the head below the hips to prevent aspiration). Give activated charcoal followed by gastric lavage. Follow with a saline cathartic. Do not give fats or oils. Intestinal lavage with 20% mannitol (200 ml) by stomach tube is also useful. Give artificial respiration with oxygen if respiration is depressed. Treat symptomatically and supportively. Lavage and administration of oxygen should be performed by qualified medical personnel. Get medical attention immediately. Poison Information Centres in each state and capital city can provide additional assistance for scheduled poisons.

NOTE TO PHYSICIAN

The signs and symptoms of poisoning with Cypermethrin are not very pronounced and are likely to consist of hypersensitivity type reactions. There is no specific antidote to Cypermethrin. Symptomatic and supportive treatment is indicated.

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FIRE AND EXPLOSION INFORMATION

FIRE AND EXPLOSION HAZARD:

The product is a flammable liquid. Decomposes on heating emitting toxic vapour/fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

EXTINGUISHING MEDIA:

Extinguish fire with water fog, foam, carbon dioxide, dry chemical powder and prevent runoff from entering drains. Toxic to fish. Full protective clothing including breathing apparatus and protective gloves should be worn.

SPILL CONTROL AND PRODUCT/WASTE DISPOSAL

SPILL:

Slippery when spilt. Avoid accidents, clean up immediately. Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Increase ventilation. Contain using sand and earth and prevent run off into drains or waterways. Absorb onto pumice or vermiculite (not sawdust). Collect and seal in properly labelled drums for disposal, seal in drums for disposal. Wash area down with detergent and excess water. Ensure that washings are prevented from entering any surface water drains. If contamination of sewers or waterways has occurred advise the local emergency services.

WASTE DISPOSAL PROCEDURE:

Refer to State Land Waste Management Authority. Empty containers must be decontaminated.

HANDLING AND STORAGE

Classified as a Class 6, 1b [Poisonous (Harmful) and Subclass 3 [Flammable Liquid] Dangerous Substance for the purpose of transport. Refer to State Regulations for storage and transport requirements. Not to be loaded with gases (class 2), spontaneously combustible substances (class 4.2), oxidising agents (class 5) or foodstuffs. The product is a Scheduled Poison (S5) and must therefore be stored, maintained and used in accordance with the relevant State Poison Act.

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HANDLING AND STORAGE (Contd)

When using do not eat, drink, or smoke. Wash hands and exposed skin before meals and after work. Wash out container thoroughly and dispose of safely. Store in original container, tightly closed in a safe, cool, dry, well-ventilated, secure area out of reach of children and animals.

Shipping Name:
Pesticides, liquid, toxic, flammable, N.O.S.

HEALTH HAZARD INFORMATION

EXPOSURE LIMITS:

No value assigned for this specific material by the National Health & Medical Research Council.

However for the solvent, Recommended Hygiene Standard: 100 ppm
As published by the National Health & Medical Research Council.

The recommended hygiene standard is the time weighted average concentration of the work atmosphere for a normal 8-hour work day and a 40-hour work week, to which nearly all workers can be repeatedly exposed day after day without adverse effect.

VENTILATION:

Provide adequate local exhaust or process enclosure ventilation.

EYE PROTECTION:

Moderate irritant. Employee must wear splash-proof or dust-resistant safety goggles and a face shield to prevent contact with this substance.

Emergency wash facilities:

Where there is any possibility that an employee's eyes and/or skin may be exposed to this substance, the employer should provide an eye wash fountain and quick drench shower within the immediate work area for emergency use.

CLOTHING:

Employee must wear appropriate protective (impervious) clothing and equipment to prevent any possibility of skin contact with this substance.

GLOVES:

Employee must wear appropriate protective gloves to prevent contact with this substance.

RESPIRATOR:

Respirators are recommended based on information found in the physical data, toxicity and health effects sections. Ensure that the cartridges are correct for the potential air contamination and are in good working order.

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HEALTH HAZARD INFORMATION (contd)

FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS:

Any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode.
Any supplied-air respirator that has a full face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

HOUSEKEEPING

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before storing or re-using.

FLAMMABILITY

Flammable Liquid. Avoid all ignition sources. Flameproof equipment necessary where this chemical is being used. Nearby equipment must be earthed.

TOXICOLOGY INFORMATION

TOXICITY DATA (Technical Material):

Rat: Oral LD₅₀ 500-1240 mg/kg (corn oil); 4120 mg/kg (aqueous suspension).
Rabbit: Dermal LD₅₀ >2400 mg/kg.

CARCINOGEN STATUS: None.

ACUTE TOXICITY: Toxic by inhalation, dermal absorption and ingestion.

EYES: Moderate irritant

SKIN: Moderate irritant; a skin sensitiser.

Exposure to spray mist may cause facial paraesthesia.

For Cypermethrin (active constituent):

Animal studies have shown this compound to cause neurotoxic effects. Notable effects in acute studies in rats and rabbits were subdued behaviour, ataxia of hind limbs, irritability or hypersensitivity and tremors.

NOEL (rat) is 100 ppm or 5.0 mg/kg body wt/day in 2 year feeding study.

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TOXICOLOGY INFORMATION (Contd)

Acceptable Daily Intake for Man: 0.05 mg/kg

In vitro mutagenicity assays studies and teratology studies in rats and rabbits have shown that Cypermethrin is not mutagenic or teratogenic.

PHYSICAL AND CHEMICAL INFORMATION

Appearance:	Clear dark amber liquid
Odour:	mild aromatic odour
Solvent Solubility:	Soluble in most organic solvents
Specific Gravity:	0.902 at 20°C
Water Solubility:	Insoluble
Flash Point:	50°C

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