



103 – 105 PIPE ROAD, LAVERTON NORTH, VIC. AUSTRALIA 3026  
Postal Address: PO Box 103, LAVERTON, VIC. AUSTRALIA 3028  
Telephone: 03 9282 1000 Fax: 03 9282 1001

PRODUCT: SONIC 200 EC Insecticide	Infosafe No: NU068 ISSUED: Apr 97
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Hazardous according to criteria of Worksafe Australia

UN NO....: D.G.CLASS: CAS NO...:  
HAZCHEM...: SUB. RISK:  
SUSDP....: S6 (FED) S6 (NSW) S6 (VIC) S6 (SA) S6 (WA) S6 (Qld) S6 (Tas) S6 (NT)  
G.T.EPG...: SPEC.EPG.: PACK. GRP:

PRODUCT IDENTIFICATION

OTHER NAMES:

TRADENAMES.: MANUF.: MANCODE:  
Sonic 200 EC Insecticide NUFARM 1700

INGREDIENTS:

CHEMICAL ENTITY:	CAS NO:	PROPORTION:
Cypermethrin	52315-07-8	200g/L
Dobenz HF		<10% w/w
Teric N13	9016-45-9	<10% w/w
Solvesso 150	64742-95-5	>60% w/w

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE:

Clear dark amber liquid with solvent odour.

BOILING POINT.....: <180°C  
MELTING POINT.....: <0°C  
VAPOUR PRESSURE....: 0.400kPa at 38°C (for solvent), active 4x10<sup>-8</sup>mmHg@ 22°C  
VOLATILE COMPONENT.: None  
SPECIFIC GRAVITY...: 0.964  
FLASH POINT.....: 64°C  
FLAMMABILITY LIMITS: Lower 0.9%, upper 6.0% (for solvent)  
REL. VAPOUR DENSITY: >1  
DECOMPOSITION TEMP.: Stable to boiling point of mixture.  
pH.....: Not applicable  
FORM.....: Liquid

OTHER PROPERTIES:

Emulsifiable in water.

USE:

A synthetic pyrethroid insecticide for the control of certain insect pests on a range of crops as per the Directions for Use Table.



**MATERIAL SAFETY DATA SHEET**

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HEALTH HAZARD INFORMATION

**ACUTE EFFECTS**

**SWALLOWED:**

Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is unco-ordinated there is a greater likelihood of vomit entering the lungs and causing subsequent complications. The concentrate is considered harmful if swallowed, when classified according to the Worksafe Criteria.

**EYE:**

The concentrate may cause eye irritation.

**SKIN:**

The concentrate may cause skin irritation. Will have a degreasing action on the skin. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis. May cause tingling or numbness in areas exposed to spray mist.

**INHALED:**

Vapour may be irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

**CHRONIC EFFECTS**

Examination of the literature has not revealed any reports regarding chronic effects of this product.

**FIRST AID**

**SWALLOWED:**

Rinse mouth with water. Give plenty of water to drink. If more than 15 minutes from a hospital induce vomiting using fingers in the throat or Ipecac Syrup APF. Seek medical assistance.

**EYE:**

Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance.

**SKIN:**

Remove contaminated clothing and launder before re-use. Wash contaminated skin areas with soap and water. If swelling, redness, blistering or irritation occurs seek medical advice.

**INHALED:**

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Seek medical advice if effects persist.

Continued on next page ...



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**FIRST AID FACILITIES:**

**ADVICE TO DOCTOR:**

Treat symptomatically.  
If vomiting has occurred, be aware of possible oedema originating from solvent or surfactants in lung.

**TOXICITY DATA:**

Cypermethrin Technical:  
Toxicity to mammals:  
Acute oral LD50 (rat) 250-4150mg/Kg, (mice) 138mg/Kg  
Acute percutaneous LD50 (rat) >1600mg/Kg  
Slight skin and eye irritant (rabbits)  
May be a weak skin sensitizer.  
In 2-year feeding trials, rats receiving 100mg/Kg diet and dogs receiving 300mg/Kg diet showed no ill-effects.  
Animal studies have not shown any carcinogenic or teratogenic effects.

Toxicity to birds:  
Acute oral LD50 for mallard ducks >10,000mg/Kg, chickens >2,000mg/Kg

Toxicity to fish:  
LC50 (96 hours) brown trout 0.0020-0.0028mg/L  
Do not contaminate fish ponds, drains, rivers or streams with product or used containers.

Toxicity to bees:  
Toxic to bees. Should not be applied while bees are actively foraging.

The Australian Acceptable Daily Intake(ADI) of cypermethrin for a human is 0.05mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 5mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Human Services and Health, "ADI List",AGPS, May 1997).

PRECAUTIONS FOR USE

**EXPOSURE STANDARDS:**

No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

**ENGINEERING CONTROLS:**

Use in a well ventilated area, natural ventilation is adequate. If the product must be handled in confined spaces, forced ventilation is advisable.



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**PERSONAL PROTECTION:**

Facial skin contact may cause temporary facial numbness. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and face shield or goggles. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

**FLAMMABILITY:**

Combustible.

**ENVIRONMENT:**

Marine Pollutant

Do not contaminate fish ponds, drains, rivers or streams with product or used containers. Do not contaminate neighbouring crops, pastures and waterways with concentrate, spray or washings. Do not discharge waste liquid into waterways. Do not repack or use container for other purposes. Dispose of used container in a responsible manner.

The half-life of cypermethrin in a typical fertile soil is 2-4 weeks.

■■■■■■■■■■■■■■■■■■■■ **SAFE HANDLING INFORMATION** ■■■■■■■■■■■■■■■■■■■■

**STORAGE AND TRANSPORT:**

**STORAGE:**

Store in the closed original container, in a well-ventilated area, as cool as possible out of direct sunlight. Store in a safe place away from foodstuffs, seeds or fertilizers.

**ROAD TRANSPORT:**

Considered non hazardous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**SEA TRANSPORT:**

Environmentally hazardous substances, liquid, nos {Cypermethrin}

UN 3082

Class 9

Packaging Group: III

**Packaging and Labelling:**

SCHEDULE 6 POISON

Keep out of reach of children

Read safety directions before opening or using.

The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as hazardous:

Risk Phrases:

R20/22 - Harmful by inhalation and if swallowed



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**Packaging and Labelling: - (continued)**

R43 - May cause sensitisation by skin contact

Safety Phrases:

S2 - Keep out of reach of children

S7 - Keep container tightly closed

S24/25 - Avoid contact with skin and eyes

**SPILLS AND DISPOSAL:**

Liquid spillages should be absorbed onto pumice or vermiculite, and disposed of in accordance with the Australian Standard 2507 Storage and Handling of Pesticides. Contaminated area to be washed down, cold water washings to be prevented from entering any surface water drains. During decontamination operators should wear cotton overalls, boots, face shield and waterproof gloves.

Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

**FIRE/EXPLOSION HAZARD:**

The concentrate is combustilbe. If involved in a fire, will emit toxic fumes. Fight fires from upwind, wear self contained breathing apparatus. Extinguishing media: Foam, carbon dioxide, dry chemical.

Note (1) The product will emulsify with water.

Note (2) The product is very toxic to fish, avoid run-off of fire water to local waterways.

**Reactivity Data:**

Reacts with oxidising agents.

Hazardous polymerization is not possible.

OTHER INFORMATION

User Data:

WSA Haz? :Y

Contact Point:

Normal Hours: Mr. Volker Maier Phone: (03) 9282-1000

After Hours: Shift Supervisor Phone: 1 800 033 498