

Infosafe No™ 3NUD7	Issue Date : March 2019	ISSUED by NUFARM
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 Product Name **NUPRID® 350SC**

1. Identification

GHS Product Identifier	NUPRID® 350SC
Product Code	02232
Product Type	Insecticide
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150
Emergency phone number	0800 651 911
Email	info@nz.nufarm.com
Recommended use of the chemical and restrictions on use	A systemic insecticide for the control of aphids in vegetable brassica and lettuce transplants, thrips on onions and mealybugs on non-bearing grapevines or vines destined for removal.
Other Information	This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. Hazard Identification

Other Information	6.1D acute toxicant, 6.9B target organ toxicant, 9.1A aquatic toxicant, 9.2A soil toxicant, 9.3A terrestrial vertebrate toxicant, 9.4A terrestrial invertebrate toxicant, TOXICITY Harmful - may be harmful if swallowed, inhaled or absorbed through the skin. May cause liver damage from repeated oral exposure at high doses. ECOTOXIC Very toxic to aquatic organisms with long-lasting effects. Very toxic to the soil environment. Very toxic to terrestrial vertebrates and terrestrial invertebrates. Spray must no be applied to plants in flower if they are likely to be visited by bees.
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3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Imidacloprid	138261-41-3	350 g/L

4. First-aid measures

First Aid Measures	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.
Inhalation	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Eye contact	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance. Remove contact lenses, if present and easy to do.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

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Advice to Doctor Treat symptomatically.
Has a nicotine like effect.
Check blood pressure and pulse rate frequently, as bradycardia and hypotonia are possible. Provide supportive measures for respiratory function and cardiac action. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastric lavage, saline laxatives, activated charcoal).
Contra-indications:
Absorption promoting agents such as alcoholic beverages and milk.

5. Fire-fighting measures

Suitable extinguishing media Water fog, foam, carbon dioxide or dry chemical.

Hazards from Combustion May emit toxic fumes of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides if involved in fires or exposed to extreme heat.

Special Protective Equipment for fire fighters Full protective clothing and self-contained breathing apparatus.

Specific Methods Keep up wind. Do not allow washings to reach sewage or effluent systems.

Specific hazards arising from the chemical Considered low risk due to water content, however upon evaporation of water the product is combustible.

Hazchem Code 2X

Other Information Location Certificate: Not applicable
Hazardous Atmosphere Zone: Not applicable
Number of Fire Extinguishers: Not applicable

6. Accidental release measures

Spills & Disposal Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

Environmental Precautions Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling Avoid skin and eye contact and inhalation of spray mist.
APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor.
TRACKING: Is not required
RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3L or more is applied within 24 hours.

Conditions for safe storage, including any incompatibilities Keep out of reach of children.
Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
Stores containing 100L of NUPRID 350SC require secondary containment and are subject to signage, and more than 100L require emergency response plans.

Other Information Always read the label and any attached leaflet before use.
Aggregate Storage Volume Thresholds:
When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.

Appropriate engineering controls Handle in well ventilated areas, generally natural ventilation is adequate.

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Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.
Hygiene Measures	Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

9. Physical and chemical properties

Form	Liquid
Appearance	White to off-white liquid
Solubility in Water	Disperses in water.
Specific Gravity	1.162
pH	6.0 - 8.0 (1% solution)
Vapour Pressure	9 x 10 ⁻⁷ mPa @ 25°C (imidacloprid)
Viscosity	800 - 2,000cps @ 20°C
Flammability	Not flammable
Other Information	(SC) Suspension Concentrate

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Possibility of hazardous reactions	Keep away from strong oxidising agents.
Hazardous Polymerization	Hazardous polymerisation will not occur.

11. Toxicological Information

Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Acute Toxicity - Oral	LD50 (male, mouse) 130 mg/kg for imidacloprid
Acute Toxicity - Dermal	LD50 (24h) (rat) >5,000 mg/kg for imidacloprid
Acute Toxicity - Inhalation	LC50 (4h) (rat) >5.33mg/l for imidacloprid
Ingestion	Swallowing large quantities may cause vomiting, diarrhoea, abdominal pain, lethargy, depressed muscular tone, muscular cramps, respiratory disturbances and trembling.
Inhalation	Inhalation of sprays or mists may result in effects described under ingestion.
Skin	Mild skin irritant
Eye	May irritate the eyes.
Chronic Effects	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Subchronic/Chronic Toxicity	Target organ - liver (hepatotoxicity/alimentary system) NOAEL 5.7mg/kg bw/day for rats
Other Information	The Australian Acceptable Daily Intake (ADI) for imidacloprid for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 6 mg/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 Health and Ageing, Office of Chemical Safety, 'ADI List', December 2014).

12. Ecological information

Persistence and degradability	Yes. The half-life in water is >31 days at pH5, 7 and 9 for imidacloprid.
Bioaccumulative Potential	Imidacloprid is not bioaccumulative. Kow LogP = 0.57
Basis for Assessment	Ecotoxicological data have not been determined specifically for this product.

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Data below is for the active ingredient unless otherwise stated.

Acute Toxicity - Fish LC50 (96h) for rainbow trout = 83mg/l for imidacloprid
 NOEL for rainbow trout = <1.2mg/l for imidacloprid

Acute Toxicity - Daphnia LC50 (48h) for daphnia magna = 85mg/l for imidacloprid

Acute Toxicity - Algae ErC50 (72h) Pseudokirchneriella subcapita = >100mg/l for imidacloprid

Acute Toxicity - Other Organisms LD50 Japanese quail = 31 mg/kg for imidacloprid
 LC50 (96h) Mysid shrimp = 0.038mg/l for imidacloprid
 LC50 (14d) earthworm = 2.3mg/kg dry soil for imidacloprid
 LC50 (48h) honey bee = 0.0039µg/bee for imidacloprid

13. Disposal considerations

Product Disposal Dispose of product only by using according to the label, or at an approved landfill.

Container Disposal Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

14. Transport information

Transport Information It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

U.N. Number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (imidacloprid, 35%)

Transport hazard class(es) 9

Hazchem Code 2X

Packaging Method -

Packing Group III

EPG Number -

IERG Number 47

IMO Marine Pollutant Yes. Environmentally Hazardous Substance mark required.

Other Information Do not carry more than 10L of NUPRID 350SC on a passenger service vehicle. Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

15. Regulatory information

National and or International Regulatory Information Registered pursuant to the ACVM Act 1997, No. P7477
 See www.foodsafety.govt.nz for registration conditions
 Approved pursuant to the HSNO Act 1996, Approval Code HSR002691
 See www.epa.govt.nz for approval controls.

Packaging & Labelling HARMFUL * ECOTOXIC - keep out of reach of children

Hazard Rating NFPA/HMIS: 2-1-1

Hazard Category HARMFUL * ECOTOXIC - Keep out of reach of children

16. Other Information

Date of preparation or last revision of SDS February 2014

Contact Person/Point IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE
 24Hr Tollfree Emergency No: 0800 651 911
 24Hr Emergency No: National Poisons Centre Phone: 0800 764 766

Revisions Highlighted 5 yearly review carried out. Various changes and updates made to document.
 ...End Of MSDS...



Safety Data Sheet

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