



SAFETY DATA SHEET KOHINOR 350 INSECTICIDE

Section 1: Identification of the Substance and Supplier

Product name: KOHINOR 350 INSECTICIDE
Chemical name of active Ingredient(s): imidacloprid
Supplier: ADAMA New Zealand Limited
Level1/19 Elms Street, Wakatu Estate, Stoke, Nelson, New Zealand
P.O. Box 1799, Nelson New Zealand.
Telephone: +64 3 543 8275 Fax: +64 3 543 8274
Emergency Telephone: 0800 POISON (0800 764 766)

Section 2: Hazards Identification

Hazard Classifications: 6.1D, 6.4A, 6.9B, 9.1A, 9.2A, 9.3A, 9.4A

Most important hazards: **TOXICITY**
Warning –
May be harmful if swallowed, inhaled or absorbed through the skin
May cause eye irritation.
Danger -
May cause organ damage from repeated oral exposure at high doses.

Avoid contact with eyes.

ECOTOXICITY
Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.
Very toxic in the soil environment.
Very toxic to terrestrial vertebrates and to terrestrial invertebrates.
Toxic to bees – spray must not be applied in an area where bees are foraging.

Section 3. Composition/Information on Ingredients

Substance/preparation	Preparation				
Information on hazardous ingredients *					
Common name	CAS No.	Value	EC Number	Symbol	R-Phrases
Imidacloprid	128261-41-3	350 g/L	428-040-8	Xn	R22, R52

- *Occupational Exposure Limit(s), if available, are listed in section 8*

Section 4: First-Aid Measures

First-aid measures:

Inhalation: Remove victim to fresh air immediately. Keep victim warm and at rest. If breathing is difficult give oxygen. Immediately get medical advice.

Ingestion: If swallowed do NOT induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. If breathing is difficult give oxygen. Immediately get medical advice.

Skin contact: Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Obtain medical attention.

Eye contact: Wash out with plenty of water. Consult an eye specialist.



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Section 5: Fire-Fighting Measures

Extinguishing media

Suitable: Water spray, foam, dry chemical, carbon dioxide, and sand.

Hazardous thermal (de)composition

products: Thermal decomposition generates: hydrogen chloride, hydrogen cyanide, carbon monoxide, nitrogen oxide.

Protection of fire-fighters: When fighting fires of this product, wear a splash suit complete with self contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions: As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC.

Environmental precautions: Prevent entry to sewers and public waters. Do not discharge into drains or the environment. Notify authorities if product enters sewers or public waters.

Methods for cleaning up: Absorb remainder in sand or other inert material. Dispose of in an authorized waste collecting point.

Section 7: Handling and Storage

Handling: Keep out of reach of children. Do not smoke, drink or eat while using. When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work. Use only in well ventilated areas.

Storage: Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed, seeds, fertilisers or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications storage of Kohinor 350 Insecticide must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations.

Packaging materials

Suitable: High density polyethylene

Section 8: Exposure Controls/Personal Protection

Engineering measures: Use only in well ventilated areas,
Hygiene measures: When handling: do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.

Common name: Imidacloprid

Personal protective equipment:

Respiratory system: Respirator is recommended.
Skin and body: Wear suitable protective clothing. Chemical resistant boots.
Hands: Chemical resistant gloves.
Eyes: Safety goggles or face shield.

Section 9: Physical and Chemical Properties

Physical state: Liquid - suspension
Colour: White
Odour: Slight characteristic odour
pH: 7.0-8.5
Density: 1.15 g/cm³ (at a temperature of 20°C)



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Viscosity: 45-55 sec. at 20°C
Solubility in water: Miscible
Flash Point [°C]: >100

Section 10: Stability and Reactivity

Hazardous decomposition products: Thermal decomposition generates: carbon dioxide, carbon monoxide, nitrogen oxides, and chlorides.

Materials to avoid: This product should be kept in a cool, dry, well ventilated place, temperature not exceeding 40 °C or below -10°C. Avoid strong acids, strong bases.

Conditions to avoid: Direct sunlight, heat and open flame.

Polymerisation: Will not occur.

Section 11. Toxicological Information

Preparation **Imidacloprid**

Acute toxicity - Oral: LD₅₀ (rats) 768 mg/kg (male) and 1042 mg/kg (female)

Acute toxicity - Dermal: LD₅₀ (rat) >5000 mg/kg

Acute toxicity – Inhalation: LC₅₀ (rat) > 1.752 mg/L/4h (maximum concentration attainable)

Skin irritation (rabbit): Not irritating

Eye irritation (rabbit): Not irritating

Sensitization: Buehler method: Non sensitizer

Section 12: Ecological Information

Ecological effects information: No ecological information is known on the product.
The data below is for Imidacloprid (active ingredient)

LC ₅₀ (96 hours)	Rainbow trout	= 211 mg/L
EH ₅₀ (48 hours)	Daphnia magna	= 85 mg/L
IC ₅₀ (72 hours)	Algae	= >100mg/L (selenastrum Capricornutum)

Section 13: Disposal Considerations

Methods of disposal: Container Disposal - Triple rinse empty container and add rinsate to spray tank. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle. Avoid contamination of any water supply with product or empty container

Section 14: Transport Information

UN Number 3082
Proper shipping name Environmentally hazardous substance, Liquid, N.O.S, (Imidacloprid)
DG Class 9
Packing Group III
Hazchem Code 2X
Marine Pollutant Yes
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National transport regulations: Do not carry this product on a passenger service vehicle.



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Segregation: Check the land transport Rule Dangerous Goods 1999, Rule 45001 for additional information. Sea transport may require additional segregation. Refer: NZS5433; Sea Segregation, or the International Maritime Dangerous Goods Code for details.

Section 15: Regulatory Information

New Zealand Regulatory Information:

NZFSA Approval: Registered pursuant to the ACVM Act 1997, No. P7325
See www.nzfsa.govt.nz/acvm for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000687
See www.ermanz.govt.nz for approval controls

HSNO Classifications: 6.1D, 6.4A, 6.9B, 9.1A, 9.2A, 9.3A, 9.4A



ECOTOXIC

APPROVED HANDLER - This product must be under the care of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

Section 16: Other Information

Note: This product is a registered agricultural chemical and must be therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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HISTORY

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