



IVORYCHEM PTE LIMITED
10 Jalan Besar
#10-03 Sim Lim Towers
Singapore 208787
Tel / Fax +65 – 63145409
contact@ivorychem.com
www.ivorychem.com

Company Registration No 200405572W

MATERIAL SAFETY DATA SHEET

AXAPRID 70 WP INSECTICIDE

Version: Global
Date Approved:
Revision No: 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AXAPRID 70 WP INSECTICIDE
ACTIVE INGREDIENT: Imidacloprid
CHEMICAL FAMILY: NA
MOLECULAR FORMULA: NA

MANUFACTURER

IVORYCHEM PTE LTD
10 Jalan Besar #10-03
Singapore 208787
Tel/Fax: +65 6314 5409

Emergency Telephone Numbers:

Emergency Phone contact@ivorychem.com (Please refer local label for Emergency Numbers in your region).

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Wt.%	PEL/TLV	EC No.	EC Class
Imidacloprid	138261-41-3	70%	None	None	None
Other Ingredient		30%	None	None	None

HAZARDS IDENTIFICATION

Emergency Overview

Caution! Hazard to humans and domestic animals. Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes and clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.

Physical State: Solid powder

Odor: none

Appearance: Light brown

Immediate Effects

Eye: Avoid contact with the eyes. Causes eye irritation.

Skin: Avoid contact with skin, eyes and clothing. Harmful if absorbed through skin.

Ingestion: Harmful if swallowed.

Inhalation: Avoid breathing dust or spray mist. Harmful if inhaled.



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FIRST AID MEASURES

General: When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

Skin: Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

Ingestion: Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Inhalation: Move to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

Notes to Physician

Signs and Symptoms

More severe effects if alcohol is consumed.

Ingestion may provoke the following symptoms: nausea, vomiting, breathing difficulties

Treatment

There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

FIRE FIGHTING MEASURES

Flash Point: > 93.3°C / > 199.9°F

Suitable Extinguishing Media: water, carbon dioxide (CO₂), foam, dry chemical

Fire Fighting Instructions

Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent run off and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated. In the event of fire, wear self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

General and Disposal: Use proper protective equipment to minimize personal exposure. Sweep up spilled material. Place in a container for disposal.

Land Spill or Leaks

Isolate area and keep unauthorized people away. Avoid dust formation. Avoid breathing dust. Avoid contact with skin. Use recommended protective equipment while carefully sweeping up spilled material. Place in an approved chemical waste container for disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.



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HANDLING AND STORAGE

Storing Procedures: Do not contaminate water, food, or feed by storage or handling. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Work/Hygienic Procedures: Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Min/Max Storage Temperatures: No minimum / 30day average temperature not to exceed 100°F (38°C).

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use with local exhaust ventilation. When handlers used closed systems, enclosed cabs, or air craft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Eye/Face Protection: tightly fitting safety goggles

Hand Protection: Chemical resistant gloves made of water proof material such as polyethylene or polyvinyl chloride

Body Protection: Wear long-sleeved shirt and long pants and shoes plus socks.

Respiratory Protection: No personal respiratory protective equipment normally required. When respiratory protection is necessary under the conditions of use, wear a respirator approved by the National Institute for Occupational Safety and Health (NIOSH).

General Protection: Educate and train employees in safe use of the product. Follow all label instructions. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: light brown

Physical State: solid powder

Odor: none

pH: 6 - 8 Determined as a 1% suspension in distilled water.

Bulk Density: 30 lbs/cu.-ft.

Water Solubility: dispersible

STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions.

Incompatibility: None known.

Hazardous Decomposition Products

Proposed compounds due to fire or other extreme conditions:

Hydrogen chloride (HCl)

Hydrogen cyanide (hydrocyanic acid)

Carbon monoxide

Nitrogen oxides (NO_x)

Hazardous Polymerization (Conditions to Avoid): Will not occur.

TOXICOLOGICAL INFORMATION

Only acute toxicity studies have been conducted on this product as formulated. The non-acute information pertains to the active ingredient, Imidacloprid.

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Acute Oral Toxicity:

Male rat: LD50: 2,591 mg/kg

Female rat: LD50: 1,858 mg/kg

Acute Dermal Toxicity:

Male/female rabbit: LD50: > 2,000 mg/kg

Acute Inhalation Toxicity:

Male rat: LC50: 2.65 mg/l

Exposure time: 4 h

Determined in the form of liquid aerosol. (Actual)

Female rat: LC50: 2.75 mg/l

Exposure time: 4 h

Determined in the form of liquid aerosol. (Actual)

Male rat: LC50: 10.6 mg/l

Exposure time: 1 h

Determined in the form of liquid aerosol.

Extrapolated from the 4 hr LC50. (Actual)

Female rat: LC50: 11.0 mg/l

Exposure time: 1 h

Determined in the form of liquid aerosol.

Extrapolated from the 4 hr LC50. (Actual)

Skin Irritation: rabbit: Slight irritation.

Eye Irritation: rabbit: Mild eye irritation.

Sensitization: guinea pig: Non-sensitizing

Subchronic Toxicity: In a 3-week dermal toxicity study, rabbits treated with Imidacloprid showed no local or systemic effects at levels up to and including 1000 mg/kg, the limit dose. In a 4-week inhalation study, rats exposed to high concentrations of Imidacloprid exhibited decreased body weight gains and changes in clinical chemistries and organ weights.

Chronic Toxicity: In chronic dietary studies in rats and dogs exposed to Imidacloprid, the target organs were the thyroids and/or liver.

Assessment Carcinogenicity: In oncogenicity studies in rates and mice, Imidacloprid was not considered carcinogenic in either species.

ACGIH: None

NTP: None

IARC: None

OSHA: None

Reproductive & Developmental Toxicity

REPRODUCTION: In a two-generation reproduction study in rats, Imidacloprid was not a primary reproductive toxicant. Off spring exhibited reduced body weights at the high dose and in conjunction with maternal toxicity.

DEVELOPMENTAL TOXICITY: In developmental toxicity studies in rats and rabbits, there was no evidence of an embryonic or teratogenic potential for Imidacloprid. In both species, developmental effects were observed only at high doses and in conjunction with maternal toxicity.

Neurotoxicity: In acute and subchronic neurotoxicity screening studies in rats, Imidacloprid produced slight neurobehavioral effects in each study at the highest dose tested. There were no co-relating morphological changes observed in the neural tissues.

Mutagenicity: The Imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

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ECOLOGICAL INFORMATION

Environmental Precautions: Highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertribal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Do not allow material to contaminate groundwater system.

DISPOSAL CONSIDERATIONS

General Disposal Guidance

Follow container label instructions for disposal of wastes generated during use in compliance with the product label. In other situations, bury in an approved land fill or burn in an incinerator approved for pesticide destruction. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Empty remaining contents. Triple rinse containers. Then dispose of empty container in a sanitary land fill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

RCRA Classification: Not Regulated under this Statute

TRANSPORT INFORMATION

Technical shipping name: Imidacloprid

Freight class bulk: insecticides, NOI-NMFC 102120

Freight class package: insecticides, NOI-NMFC 102120

DOT (DOMESTIC SURFACE)

Proper shipping name: not hazardous or regulated

Hazard class or division: non-regulated

IMO/IMDG CODE (OCEAN)

Proper shipping name: non hazardous or regulated

Hazard class division number: non-regulated

ICAO/IATA (AIR)

Proper shipping name: non hazardous or regulated

Hazard class division number: non-regulated.

REGULATORY INFORMATION

Active ingredient Name: Imidacloprid

The following precautions appear in the Precautions section of label / leaflet. Wash hands and exposed skin after use. Wash splashes from skin or eyes immediately with plenty of water.

The following precautions appear in the 'Statutory conditions relating to use' box of the label / leaflet. For use only as insecticide, and professional use only. Wear suitable protective clothing / overall and synthetic rubber / PVC gloves and eye protections when using.

OTHER INFORMATION

Section(s) Revised: New Format