

**IVORYCHEM PTE LIMITED**

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Email: contact@ivorychem.com
Web: www.ivorychem.com
Co. Registration No. 200405572W
GST Registration No. 200405572W

MATERIAL SAFETY DATA SHEET**SUPATRAZ 125 INSECTICIDE**

Version: Global
Date Approved: 08/13/1998
Revision No: 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SUPATRAZ® 125 INSECTICIDE
ACTIVE INGREDIENT: Amitraz
CHEMICAL FAMILY: Amidine Pesticide
MOLECULAR FORMULA: C₁₉H₂₃N₃ (amitraz)
SYNONYMS: N,N'-[(methylimino) dimethylidyne]di-2,4-xylylidine

MANUFACTURER

IVORYCHEM PTE LTD
15 BEACH ROAD
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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
Amitraz	33089-61-1	12.5	None	None	None
Solvent naphtha (petroleum)	64742-94-5	87.5	None	None	None

HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****IMMEDIATE CONCERNS:**

- Clear amber liquid with an aromatic odour
- Slightly combustible. May support combustion at elevated temperatures.
- Thermal decomposition and burning may form toxic by-products.
- For large exposures or fire, wear personal protective equipment.
- Highly toxic to fish and aquatic organisms. Keep out of drains and water courses.

POTENTIAL HEALTH EFFECTS: Effects from overexposure result from either inhaling or

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coming into contact with the skin. Symptoms of overexposure include nasal discharge, convulsions and in coordination. Contact with this product may produce skin sensations such as numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours.

MEDICAL CONDITIONS AGGRAVATED: None presently known.

FIRST AID MEASURES

EYES: Flush eye immediately with large amounts of water or normal saline, occasionally lifting eyelids, until no evidence of chemical remains. Seek medical attention if eye irritation persists.

SKIN: Remove contaminated clothing. Wash affected area immediately with soap and water. Seek medical attention if required.

INGESTION: If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.

INHALATION: Remove to fresh air. If breathing difficulty or discomfort occurs and persists, contact a medical doctor.

NOTES TO MEDICAL DOCTOR: Onset of clinical signs is within 4-6 hours. There is no specific antidote for amitraz. Apply standard decontamination procedures and symptomatic treatment considering possible solvent effects as described below.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Sprayed water jet, foam, dry powder, CO₂, sand

EXPLOSION HAZARDS: Combustible product. Product has a flash point of >95°C.

FIRE FIGHTING PROCEDURES: Fight fire in the early stages if safe to do so. Wear respiratory protection. In well ventilated areas wear full face mask with a combination filter. (Offers no protection from carbon monoxide) In enclosed premises: respirator with independent air supply. Contain firefighting water.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products include hydrogen cyanide, carbon monoxide, and nitrogen oxides.

ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: Use any personal protective equipment listed in Chapter 8. Prevent spillage from spreading or entering soil, waterways and drains. Take up with absorbent material such as sawdust, peat or chemical binder. Fill material along with any contaminated soil etc., into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a sealable container. Spread hydrated lime over the affected area. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Place cleaning materials into the same container. Do not eat, drink or smoke during clean-up operation.

HANDLING AND STORAGE

GENERAL PROCEDURES: Pour the product using a funnel or other equipment to avoid splashing and gugging. Suitable container materials: HDPE, LDPE. Storage Keep out of reach of children. Store away from food, drink or animal feeding stuffs. To maintain product quality, store below 30°C. Keep away from heat or moisture. This material is a Schedule 6 poison and must be stored, handled and used in accordance with the relevant regulations



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EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: No exposure standards allocated for amitraz or other ingredients of this product.

VENTILATION: Ensure adequate ventilation during use to prevent build-up of fumes. Do not inhale spray mist.

EYE PROTECTION: May irritate the eyes. Avoid contact with eyes and skin. Do NOT inhale spray mist. If product in eyes, wash out immediately with water. Wear a face shield while handling the concentrate.

SKIN PROTECTION: May irritate the skin. When preparing dip or spray, using prepared dip or spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, and face shield. If product on skin, immediately wash area with soap and water. Wash hands before breaks and at end of work.

RESPIRATOR: No respirator is required under normal conditions of use.

PROTECTIVE MATERIAL TYPES: PVC, rubber

COMMENTS: 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 and contaminated clothing. Product is poisonous if swallowed.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear yellow to yellow-brown liquid, slight characteristic smell

CHEMICAL NAME: N,N'-[(methylimino) dimethylidyne]di-2,4-xylylidine

MOLECULAR WEIGHT: 221.04

WATER SOLUBILITY: ca. 1 mg/l (211).

SOLUBILITY IN OTHER SOLVENTS: Soluble in common organic solvents including acetone, toluene, and xylene (211)

BOILING POINT: 86-87 degrees C (1)

SOLIDIFYING POINT: Not available

VAPOR PRESSURE: 0.051 mPa at 20 degrees C (1)

VISCOSITY: Not available

pH: Not available

FLASH POINT: >95 deg C

PARTITION COEFFICIENT: (octanol/water) Kow = 316,000 (1)

ADSORPTION COEFFICIENT: Not available

STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat and fire. Avoid oxidising agents.

STABILITY: Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION: Thermal decomposition products include hydrogen cyanide, carbon monoxide and nitrogen oxides

HAZARDOUS REACTIONS: None

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Oral LD50 (rat) 1000-2000 mg/kg (of amitraz)



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LOCAL EFFECTS: Dermal LD50 (rat) >2000 mg/kg (of amitraz)
Inhalation LC50 (rat) 65 mg/L (6h)(dust)(amitraz)
Eye: may irritate the eye
Skin: may irritate the skin

REPRODUCTIVE EFFECTS: None of the ingredients of the formulation have been shown to produce reproductive or teratogenic effects.

CARCINOGENIC EFFECTS: Amitraz has been shown in animal tests to have no carcinogenic potential. Other ingredients are not classified as carcinogens

HEALTH HAZARD INFORMATION: Amitraz: The ingestion of large quantities may cause hypotension, sedation, slowing of the heart beat and hypothermia. Effects are transient and reversible within 24-48 hours. Absorbed by skin. May cause irritation to skin or transient skin flushing. Amitraz has a skin sensitizing potential. May cause irritation by eye contact. Inhalation of large amounts of spray mist may produce lethargy. Solvent naphtha, heavy aromatic: Inhalation of high concentrations leads to mucous membrane irritation and anaesthesia. Frequent or persistent skin contact can lead to irritation and contact dermatitis. Aspiration of even small amounts is associated with the danger of severe lung damage with a possibly fatal outcome (chemical pneumonia).

ECOLOGICAL INFORMATION

Unless otherwise indicated, the data presented below are for the active ingredient.

OCTANOL/WATER PARTITION CO-EFFICIENT: log P = 5.5 at pH 5.8 and 25°C

ECOTOXICITY:

Fish toxicity

amitraz

LC50 0.74 mg/L (96h) Rainbow trout (*Salmo gairdneri*)

LC50 0.45 mg/L (96h) Bluegill (*Lepomis macrochirus*).

Daphnia toxicity

amitraz

LC50 0.035 mg/L (48h) Water flea (*Daphnia magna*)

Toxic to fish and horses. Do not contaminate ponds, waterways or drains with product or used containers.

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal of unwanted spraywash should be into a pit of adequate size on level ground and away from watercourses, drains, dams, and tree roots. Triple or (preferably) pressure rinse empty containers, adding rinsate to spray wash. Do not dispose of undiluted chemicals on site. If not available bury containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

EMPTY CONTAINER: Non-returnable containers which held this material should be cleaned, prior to disposal, by triple-rinsing. Containers which held this material may be cleaned by being triple-rinsed, and recycled.

TRANSPORT INFORMATION

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	UN/NA	CLASS	P.G	SHIPPING NAME
TDG	-	-	-	-
IATA	-	-	-	-
IMDG	-	-	-	-

REGULATORY INFORMATION**POISONS SCHEDULE:** Schedule 6**APVMA REGISTRATION:** The product is registered by the APVMA.**REGISTRATION NUMBER:** 48200**LABELLING:** All necessary directions, precautions and warnings for normal use of the product are included on the product label.**OTHER INFORMATION**

Section(s) Revised : New Format