SECTION 1: Identification

1.1. Product identifier

Trade name : ALBAUGH HITRAZ 200 EC/ULV INSECTICIDE/MITICIDE

1.2. Other means of identification

Amitraz

1.3. Recommended use of the chemical and restrictions on use

1.3.1. Recommended use

Industrial/Professional use : For professional use only

Use of the substance/mixture : Agricultural Insecticide/Miticide

1.3.2. Restrictions on use

No additional information available.

1.4. Details of the manufacturer/importer

Albaugh Australia Pty Ltd
Level 1, 530 Little Collins Street, MELBOURNE 3000, Australia
Tel (03) 99097183
ABN: 676 890 994

1.5. Emergency phone number

Emergency number : 1800 033 111

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

This material is hazardous according to Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classification of the substance or mixture:

Flammable liquids	Category 4
Acute Toxicity (Oral)	Category 4
Skin sensitisation	Category 1
Specific target organ toxicity – Repeated exposure	Category 2
Aspiration hazard	Category 1

The following hazard classes fall outside the scope of the Workplace Health and Safety Regulations:
Hazardous to the aquatic environment (acute) – Category 1
Hazardous to the aquatic environment (chronic) – Category 1

2.2. Label elements, including precautionary statements

Hazard pictograms :

Signal word : Warning

Hazard statements :
H227 – Combustible liquid
H302 – Harmful if swallowed
H317 – May cause an allergic skin reaction
H373 – May cause damage to organs through prolonged or repeated exposure
H305 – May be harmful if swallowed and enters airways
AUH066 - Repeated exposure may cause skin dryness and cracking
H400 – Very Toxic to aquatic life
H410 – Very Toxic to aquatic life with long lasting effects

Precautionary statements :
P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 – Wash contacted areas thoroughly after handling
P270 – Do not eat, drink or smoke when using this product
P261 – Avoid breathing dust/mist
P272 – Contaminated work clothing should not be allowed out of the workplace
P280 – Wear Protective gloves, protective clothing and eye or face protection
P260 – Do not breathe dust/mist.
P273 – Avoid release to the environment
P391 – Collect spillage
P370 + P378 – In case of fire: Use carbon dioxide, dry chemical, foam, water fog to extinguish
P301 + P312 – IF SWALLOWED: Immediately call a POISON CENTER/ doctor

P330 – Rinse mouth
P331 – Do NOT induce vomiting
P302 + P353 – IF ON SKIN: Wash with plenty of water
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 – Take off contaminated clothing and wash it before reuse
P314 – Get medical advice/attention if you feel unwell
P403 – Store in a well-ventilated place
P405 – Store locked up
P501 – Dispose of contents/ container in accordance with local regulations

SECTION 3: Composition and information on ingredients

Name	Ingredient identifier (CAS No.)	Content (w/v)
amitraz (ISO); N,N-bis(2,4-xylyliminomethyl); methylamine	33089-61-1	20%
Liquid Hydrocarbon	64742-94-5	72.3%
Other ingredients (non-hazardous)	Not Available	5 - 10%

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

First-aid measures after ingestion : Rinse mouth. DO NOT induce vomiting. Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a POISON INFORMATION CENTER (Australia) on 13 11 26 or doctor/physician.

First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain emergency medical attention.

First-aid measures after skin contact : Do not remove contaminated clothing out of the workplace. Take off contaminated clothing and wash it before reuse. Wash all exposed skin area with plenty of mild soap and water. If symptoms persist, call a physician.

First aid facitilities : Eyewash, safety shower and normal washroom facilities.

4.2. Symptoms caused by exposure

Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

Symptoms/injuries after inhalation : May be harmful if swallowed and enters airways. Repeated exposure may cause skin dryness and cracking.

Symptoms/injuries after eye contact : None under normal conditions. Direct eye contact may cause irritation.

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

4.3. Medical attention and special treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Suitable extinguishing equipment

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

This product is classified as a C1 combustible product. Product is not flammable but may burn in fire.

In the event of fire the following may be released: Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NOx).

5.3. Special protective equipment and precautions for firefighters

Firefighting instructions : Combustible liquid. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering drains or water bodies.

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting : In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit. Do not enter fire area without proper protective equipment, including respiratory protection. Breathable air apparatus must be worn when fighting a fire in which this product is involved.

Hazchem code •3Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled product or contaminated surfaces. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Protective equipment : Equip cleanup crew with proper protection. See Section 8

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay, sand, soil, vermiculite or diatomaceous earth as soon as possible. Collect spillage in sealable open-top type containers for disposal. If large liquid spills occur, attempt to recover as much spilt material from sumps and bunded areas, as possible, before absorbing remaining material into vermiculite or other absorbent.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of mists/vapour. Do not breathe mist/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes.

Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place out of direct sunlight. Store in a locked enclosure. Keep container tightly closed. Do not store with seed, fertilisers or foodstuffs.

Incompatibilities : Strong acids, bases and combustible materials
Protect from direct sunlight, heat, sparks, open flames and other sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1. Exposure control measures

Exposure standards No value assigned for this specific material by Safe Work Australia.

8.2. Biological monitoring

No biological limit allocated for the product or any of its ingredients. No biological monitoring is required.

8.3. Control banding

Not available.

8.4. Engineering controls

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

8.5. Individual protection measures

Personal protective equipment : Avoid all unnecessary exposure. When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles and appropriate respiratory protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. After each day's use, wash contaminated clothing and safety equipment.

Eye and face protection : Chemical goggles or safety glasses. Eye protection devices should conform to relevant regulations. Consult AS/NZS 2210 and AS/NZS 2919 for further information.

Skin protection : Wear protective gloves of impervious material. Occupational protective gloves should conform to relevant regulations. Consult AS/NZS 1336 and AS/NZS 1337 for further information.

Respiratory protection : If ventilation is inadequate, suitable respiratory protection should be worn, consult AS/NZS 1715 and AS/NZS 1716 for further information.

Thermal hazards : No further relevant information available.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Colour	: Yellow to pale brown
Odour	: No data available
Odour threshold	: No data available
pH	: 5.0~8.0
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 60 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

Relative density	:	No data available
Solubility	:	No data available
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available
Particle characteristics	:	No data available
Partition coefficient: n-octanol/water (log value)	:	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Keep away from strong oxidising agents.

10.6. Hazardous decomposition products

Thermal decomposition may result in the release of toxic and/or irritating fumes. Hydrogen cyanide (hydrocyanic acid), Carbon monoxide, Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Albaugh Hitraz 200 EC/ULV Insecticide/Miticide		
Acute toxicity	:	Harmful if swallowed. Not considered to be acutely toxic via dermal and inhalation routes of exposure, according to available data. Oral (LD_{50}): 681 mg/kg Dermal (LD_{50}): > 2000 mg/kg Inhalation: > 4.08 mg/l/4h
Skin corrosion/irritation	:	Not a skin irritant according to classification principles, criteria not met. Hoever may caluse mild skin irritaiton.
Serious eye damage/irritation	:	Not an eye irritant according to to classification principles, criteria not met.
Respiratory or skin sensitisation	:	May cause an allergic skin reaction. Not expected to be a respiratory sensitiser according to available information.
Germ cell mutagenicity	:	Not suspected to cause genetic defects according to available information.
Carcinogenicity	:	Not considered to be carcinogenic according to available information.
Reproductive toxicity	:	Not considered to be toxic to reproduction according to available information.
Specific target organ toxicity (single exposure)	:	Not expected to cause toxicity to a specific target organ through single exposure according to available information.
Specific target organ toxicity (repeated exposure)	:	May cause damage to organs through prolonged or repeated exposure. Repeated exposure may cause skin dryness and cracking.
Aspiration hazard	:	May be harmful if swallowed and enters airways

SECTION 12: Ecological information

12.1. Ecotoxicity

Very toxic to aquatic life with long lasting effects.

amitraz (ISO); N,N-bis(2,4-xylyliminomethyl); methylamine (33089-61-1)	
LC50 - Fish	0.74 mg/l (rainbow trout - EPM) 0.45 mg/l (bluegill sunfish)
LC50 - Other aquatic organisms	0.035 mg/l (Daphnia - EPM)

amitraz (ISO); N,N-bis(2,4-xylyliminomethyl); methylamine (33089-61-1)	
ErC50 Algae	>12 mg/l (*(Selenastrum capricornutum*-EPM)

12.2. Persistence and degradability

Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Bioaccumulative potential	Not established Following data is for the active constituent amitraz (33089-61-1): Partition coefficient n-octanol/water (Log Pow) 4.2

12.4. Mobility in soil

Mobility in soil	Not established

12.5. Other adverse effects

Other information : No other effects to be mentioned.

SECTION 13: Disposal considerations

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product. Do not reuse container for any other purpose.

SECTION 14: Transport information

Road and rail transport	:	**Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail as per the Australian Special Provisions AU01.**
Additional Information:	:	Australian Special Provisions AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in; (a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or (b) IBCs.

Marine transport:	:	**Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; MARINE POLLUTANT**
UN Number	:	3082
Proper Shipping Name or Technical Name:	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS AMITRAZ)
Transport Hazard Class:	:	9
Packaging Group:	:	III
IMDG EMS Fire:	:	F - A
IMDG EMS Spill:	:	S – F
Environmental Hazards:	:	Yes. Marine Pollutant substance(s): AMITRAZ
Special Precautions for User:	:	Not available.
Additional Information:	:	The marine pollutant mark is not required when transported in sizes of ⩽ 5 L or ⩽ 5 kg.

Air transport:	:	**IATA provision SP A197: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code when transported air in; packages that have inner packages (plastic bottles, glass bottles, plastic bags) of 5 L for UN3082 and 5 kg for UN3077 or less.**
UN Number	:	3082
Proper Shipping Name or Technical Name:	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS AMITRAZ)
Transport Hazard Class:	:	9
Packaging Group:	:	III
Special Precautions for User:	:	Not available.
Additional Information:	:	IATA Special Provision A197: when transported in sizes of ⩽ 5 L or ⩽ 5 kg per packaging (inner or single) are not subject to the code.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

APVMA Number : 56359

Poison Schedule : Schedule 6

AICIS : Listing in the AICS is not required for products regulated by the APVMA.

SECTION 16: Any other relevant information

Date of issue	:	06 May 2025
Version	:	1
Reason(s) for issue	:	Revised Primary SDS and updated to latest GHS requirements.
Literature References	:	
Abbreviations	:	ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) AICIS – Australian Industrial Chemicals Introduction Scheme (formerly NICNAS) AIIC - Australian Inventory of Industrial Chemicals APVMA – Agricultural Pesticides and Veterinary Medicines Australia ATE - Acute Toxicity Estimate BCF - Bioconcentration factor BLV - Biological limit value BOD - Biochemical oxygen demand (BOD) CAS No. - Chemical Abstract Service number COD - Chemical oxygen demand (COD) EC50 - Median effective concentration EPM - British Crop Protection Council Database, e-Pesticide Manual GHS - Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition) 2017 IARC - International Agency for Research on Cancer IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods LC50 - Median lethal concentration LD50 - Median lethal dose LOAEL - Lowest Observed Adverse Effect Level NOAEC - No-Observed Adverse Effect Concentration NOAEL - No-Observed Adverse Effect Level NOEC - No-Observed Effect Concentration N.O.S. - Not Otherwise Specified Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (June 2023) STEL - Short term exposure limit means the average airborne concentration of a substance calculated over a 15 minute period. The STEL should not be exceeded at any time during a normal eight hour working day. SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons SWA - Safe Work Australia, formerly ASCC and NOHSC ThOD - Theoretical oxygen demand (ThOD) TLM - Median Tolerance Limit TGA – Therapeutic Goods Australia TWA - Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week. VOC - Volatile Organic Compounds WHS – Workplace Health and Safety

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product