

MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: 22.03.2012

PREPARED BY: LL

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

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| PRODUCT NAME: Barmac Diazinon Insecticide | OTHER NAMES: No other names | APVMA REGISTRATION NUMBER: 50007 |
| USE: Insecticide | AUSTRALIAN DISTRIBUTOR: Barmac, a division of Amgrow Pty Ltd 17 Machinery Street, Darra, QLD 4076 Phone: (07) 3727 3000 Fax: (07) 3727 3030 | EMERGENCY PHONE NUMBERS: Fire Brigade, Ambulance and Police Services: 000 Poisonings: 131 126 POISON INFORMATION CENTRE |
| FORM: Emulsifiable Concentrate | | |

2. HAZARD IDENTIFICATION

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|---|---|--|
| Hazardous according to the criteria of SWA. Dangerous according to the ADG Code. HAZARD CATEGORY: Xn (Harmful) POISON SCHEDULE: S6 ADG Classification: Class 6.1 Package Group: III PROPER SHIPPING NAME: Organophosphorus Pesticide, Liquid, Toxic. | RISK PHRASES: R22, R48/25, R50, R53 | SAFETY PHRASES: S2, S24/25, S60/61 |
| | HAZCHEM CODE: 2X | UN NUMBER: 3018 |

3. COMPOSITION INFORMATION ON INGREDIENTS

| | | |
|---|--------------------|----------------|
| MIXTURE: CHEMICAL IDENTITY: | PROPORTION: | CAS No: |
| Diazinon | 80% | 33-41-5 |
| Hydrocarbon solvent and inert ingredients | 20% | Not Applicable |

4. FIRST AID MEASURES

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|---|---|
| SWALLOWED: Seek medical attention. Give one atropine tablet every 5 minutes until dryness of mouth occurs. | SKIN: Remove contaminated clothing and seek medical attention. Give one atropine tablet every 5 minutes until dryness of mouth occurs.. |
| EYES: If in eyes, hold eyelids open, flood with water for at least 15 minutes and see a doctor. If poisoning symptoms develop give atropine tablets as above. | INHALED: Move victim to fresh air. Seek medical advice. If poisoning symptoms develop give atropine tablets as above. |
| FIRST AID FACILITIES: Provide eye wash and shower facilities in workplace. | |

5. HEALTH EFFECTS

SKIN:

Skin contact should be avoided. Absorption through the skin is the most likely industrial route of exposure, particularly when handling the undiluted material. Skin irritation varies from very mild to none depending on the skin sensitivity of the individual.

EYES:

Eye contact should be avoided. Will irritate eyes. A potential for poisoning due to absorption through the eyes exists, particularly if product is not washed out immediately

INGESTION:

Product is considered to be moderately toxic. The product is a cholinesterase inhibitor

INHALED:

Inhalation should be avoided. Product is slightly toxic by this route of exposure

CHRONIC:

All cholinesterase inhibitors will have a cumulative poisoning effect. Repeated minor exposure of this group of products may prove to be harmful. Levels of cholinesterase may not return to normal for up to 3 weeks after the last exposure.

6. FIRE-FIGHTING MEASURES

UNUSUAL FIRE & EXPLOSION HAZARDS:

No unusual fire or explosion hazards are known to occur with this product. Oxides of Nitrogen may be released in fire event.

SPECIAL FIRE FIGHTING PROCEDURES:

Must wear suitable breathing apparatus and protective suit when fighting fire. Approach upwind.

FLAMMABILITY:

Product is not flammable but will burn if involved in a fire.

HAZCHEM CODE: 2X

EXPOSURE LIMITS:

ASCC has set the an exposure standard for diazinon as TWA 0.1 mg/m³

EXTINGUISHING MEDIA:

Foam, carbon dioxide (CO₂), dry chemical extinguishers may be used.

7. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:

Wear full body overalls buttoned to the neck and wrists, washable hat, chemical resistant PVC elbow length gloves, and safety glasses or a face shield. The manufacturer also recommends the use of a half face respirator with combination organic vapour/mist cartridge to avoid breathing spray drift

ENVIRONMENTAL PROTECTION:

Do not allow into drains or waterways. If contamination of sewers or waterways has occurred advise local emergency services

CLEAN UP AND DISPOSAL:

Apply absorbent material such as sand, earth or attapulgate to contain the spill. Sweep up the material when absorption is complete. Wash contaminated surfaces with mild bleach solution (sodium hypochlorite) which will neutralise the diazinon. Disposal of contaminated material must be done in accordance with State and/or Local regulations. Triple rinse containers with water and add rinsings to tank mix. Destroy empty containers by breaking, crushing or puncturing them. Dispose of the empty containers at a local authority landfill. Do not burn empty containers or product. Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

8. HANDLING AND STORAGE

HANDLING:

After use and before eating, drinking or smoking, wash hands arms and face thoroughly with soap and water. Wash gloves, respirator, hat, overalls and face shield or glasses after use.

STORAGE:

Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

9. EXPOSURE CONTROL/PERSONAL PROTECTION

EYE PROTECTION: Eye protection such as protective glasses or face shield is recommended when this product is being used.

PROTECTIVE MATERIAL TYPES: There is no specific recommendation for any particular protective material type.

SKIN PROTECTION: Avoid contact with product and that you wear long sleeved shirt and long pants with rubber gloves (preferably elbow-length) when skin contact is likely.

RESPIRATOR:

The use of a half face respirator with combination organic vapour/mist cartridge is recommended to avoid breathing spray drift.

EXPOSURE LIMITS (TWA):

ASCC has set the an exposure standard for diazinon as TWA 0.1 mg/m³

VENTILATION:

This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

10. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Brown, slightly viscous liquid, strong odour.

BOILING POINT:

Approximately 130°C

SPECIFIC GRAVITY (20°C):

Approximately 1.08.

FLAMMABILITY:

2X

FLASH POINT:

>61°C

VAPOUR DENSITY:

No data

VAPOR PRESSURE (20°C):

No data

SOLUBILITY:

Emulsifiable

11. STABILITY AND REACTIVITY

STABILITY:

Stable if stored in original container under normal ambient conditions.

INCOMPATIBILITY/ CONDITONS TO AVOID:

Strong Acids, Strong Bases, Strong Oxidising Agents and halogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS:

In the event of fire decomposition products such as oxides of nitrogen can be released.

12. TOXICOLOGICAL INFORMATION

Diazinon is classified as slightly toxic to moderately toxic

13. ECOLOGICAL INFORMATION

ECOTOXICITY: (Diazinon):

Toxicity to fish: LC50 (96hr) Rainbow Trout= 2.6-3.2 mg/L

Toxicity to birds: Highly

Toxicity to bees: Highly

14. DISPOSAL

WASTE DISPOSAL METHOD:

Triple or pressure rinse bag before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and roots. Break, crush, or puncture and bury containers in a local authority landfill. If not available bury the containers below 500mm in a disposal pit. Empty containers and product should not be burned.

15. TRANSPORT INFORMATION

UN NO: 3018

SPECIAL PROVISIONS: Not applicable

SHIPPING NAME: Organophosphorus Pesticide, Liquid, Toxic

16. REGULATORY INFORMATION

POISONS SCHEDULE: S6

HAZARD CATEGORY: Xn (Harmful)

PACKAGING AND LABELLING: III

CLASSIFICATION: 6.1 Toxic substance.

16. OTHER INFORMATIONS

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

SWA Safe Work Australia, formerly ASCC and NOHSC

CAS Number Chemical Abstracts Service Registry Number

SUSDP Standard for the Uniform Scheduling of Drugs & Poisons

UN: United Nations Number

TWA: Time weight average.

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