

MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: 22.03.2012

PREPARED BY: LL

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

PRODUCT NAME: Barmac Paspalum & Clover Killer Selective Weedkiller	HERBICIDAL GROUP: Group I Herbicide: Phenoxyacetic acid.	APVMA REGISTRATION NUMBER: 47924
USE: Herbicide	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: Suspension Concentrate		

2. HAZARD IDENTIFICATION

Classified as hazardous according to SWA. Not dangerous according to the ADG Code. HAZARD CATEGORY: Xn (Harmful) POISON SCHEDULE: S6 according to the SUSDP ADG Classification: Exempt Package Group: Not Applicable PROPER SHIPPING NAME: Not Applicable	RISK PHRASES: R36, R21/22	SAFETY PHRASES: S2, S20, S23 S24/25, S36/39
	HAZCHEM CODE: 2X	UN NUMBER: Not Allocated

3. COMPOSITION INFORMATION ON INGREDIENTS

MIXTURE: CHEMICAL IDENTITY: Disodium Methylarsonate MCPA present as the sodium salt Non-hazardous ingredients	CAS NO: 144-21-8 203-46-5 Not Applicable	COMPOSITION: 7.4% w/v 2.4% w/v Up to 100%
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4. FIRST AID MEASURES

SWALLOWED: Poisonous if swallowed. If swallowed and more than 15 minutes from a hospital induce vomiting preferably using Ipecac Syrup APF.	SKIN: Remove contaminated clothing and wash affected area with soap and water.
EYES: Hold eyelids open and irrigate with copious amounts of water for at least 15 minutes.	INHALED: Remove victim to a well ventilated area. Seek medical attention immediately.
FIRST AID FACILITIES: Provide eye wash and shower facilities in workplace.	

5. HEALTH EFFECTS

INGESTION:
Product is dangerous if ingested.

EYES:
Irritating to eyes.

SKIN:
Mild skin irritation may occur.

INHALED:
May be harmful if inhaled.

CHRONIC:
No data for health effects associated with long term ingestion, inhalation, skin contact or eye contact with this product.

6. FIRE-FIGHTING MEASURES

UNUSUAL FIRE & EXPLOSION HAZARDS:
There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

SPECIAL FIRE FIGHTING PROCEDURES:
Wear protective clothing and use self contained breathing apparatus.

FLAMMABILITY:
Non Flammable

HAZCHEM CODE:
2X

EXPOSURE LIMITS:
Barmac Pty Ltd has set an exposure standard for DSMA as TWA 0.05 mg/m³

EXTINGUISHING MEDIA:
Use appropriate to surrounding burning media.

7. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:
DO NOT touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to the neck and wrists, chemical resistant boots and gloves.

ENVIRONMENTAL PROTECTION:
Do not allow into drains or waterways. Dike area to prevent this occurring.

CLEAN UP AND DISPOSAL:
Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions.

8. HANDLING AND STORAGE

HANDLING:
Wash hands after use using soap and water and before smoking, eating and drinking. Wear protective equipment as specified on label.

STORAGE:
This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

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

SKIN PROTECTION: Wear rubber or PVC gloves to prevent skin contact. Wear long sleeves and long trousers to prevent contact.

RESPIRATOR: No respiratory equipment is usually needed, however when exposure levels are exceeded, use an approved air purifying respirator.

EXPOSURE LIMITS (TWA):
Barmac Pty Ltd has set an exposure standard for DSMA as TWA 0.05 mg/m³

VENTILATION:
This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels.

10. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
Slightly hazy brown, odourless liquid.

BOILING POINT:
No data

SPECIFIC GRAVITY (20°C):
1.199-1.201 at 20 °C

FLAMMABILITY LIMITS:
No data.

FLASH POINT:
No data

VAPOUR DENSITY:
No data

VAPOR PRESSURE (20°C):
2.37 at 20°C

SOLUBILITY:
Miscible

11. STABILITY AND REACTIVITY

STABILITY:
Stable if stored in original container under normal ambient conditions.

INCOMPATIBILITY/ CONDITIONS TO AVOID:
Strong Acids, Strong Bases, Strong Oxidising Agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

For fires involving this material decomposition it may give rise to toxic fumes of carbon dioxides, hydrogen chloride, nitrogen dioxides and carbon monoxide.

12. TOXICOLOGICAL INFORMATION

The following information relates to DSMA, an active ingredient in this product.

DSMA:

LD50 (Dermal): >10000 mg/kg (rabbits)
TDLo (Ingestion): >1800 mg/kg (rats)

CHRONIC EFFECTS:

Chronic arsenic poisoning leads to numerous symptoms including:

- Muscle weakness, fatigue, anorexia, weight loss.
- Hyperpigmentation, hyperkeratosis.
- Peripheral neuropathy, paresthesia, paresis and ataxia.
- Inability to coordinate voluntary muscular movements.
- Subcutaneous oedema in face, eyelids, and ankles.

13. ECOLOGICAL INFORMATION

The following refers to DSMA, an active ingredient in this product

ECOTOXICITY:

Bees: Acutely toxic to slightly toxic
Fish: Slightly toxic to fish.
Birds: No data.

DEGRATION & PERSISTENCE:

DSMA is metabolised by soil bacteria to methylarsine, arsenate and methylarsonate (half life in soil is 55 days)

14. DISPOSAL

WASTE DISPOSAL METHOD:

Dispose according to applicable local and state government regulations.

15. TRANSPORT INFORMATION

UN No: Not Allocated

SHIPPING NAME: Not Applicable

SPECIAL PROVISIONS: Not Applicable

16. REGULATORY INFORMATION

POISONS SCHEDULE: S6

HAZARD CATEGORY: 2X

PACKAGING AND LABELLING: Not set

CLASSIFICATION: Xn (harmful)

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

SUSMP Standard for the Uniform Scheduling of Medicines & Poisons

UN: United Nations Number

TWA: Time weight average.

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