

MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: 01.08.2012

PREPARED BY: LL

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

PRODUCT NAME: Barmac Bindii Killer Selective Weedkiller	HERBICIDAL GROUP: Group CI Herbicide:PS II inhibitors (C): Inhibitors of photosynthesis at photosystem II. Synthetic Auxins (I): Disruptors of plant cell growth.	APVMA REGISTRATION NUMBER: 41091
USE: Herbicide.	AUSTRALIAN DISTRIBUTOR: Barmac, a division of Amgrow Pty Ltd. 82 Christensen Road Stapylton, QLD 4207 Phone: (07) 3802 5000 Fax: (07) 3807 6369	EMERGENCY PHONE NUMBERS: Australia: Fire Brigade, Ambulance and Police Services: 000 Poisonings: 131 126 POISON INFORMATION CENTRE
FORM: Emulsifiable Concentrate.		

2. HAZARD IDENTIFICATION

Classified as hazardous according to the criteria of SWA. Not Dangerous according to the ADG Code. HAZARD CATEGORY: Xn (Harmful). POISON SCHEDULE: S6 according to the SUSMP. ADG Classification: Not Allocated. Package Group: Not Allocated.	RISK PHRASES: R20, R22, R23, R36, R43, R63, R50/53.	SAFETY PHRASES: S1/2, S36/37, S45, S63, S60, S61.
	HAZCHEM CODE: 2X.	UN NUMBER: Exempt.

3. COMPOSITION INFORMATION ON INGREDIENTS

MIXTURE: CHEMICAL IDENTITY: Bromoxynil Octanoate MCPA (Butoxyethanol Ester) Solvent Other Non-Hazardous Ingredients	PROPORTION (%): 20 20 34 Balance	CAS NO: 1689-99-2 29450-45-1 64742-94-5 Not Applicable
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4. FIRST AID MEASURES

SWALLOWED: If rinse mouth and drink plenty of water. DO NOT induce vomiting. Seek medical advice immediately.	SKIN: Remove any contaminated clothing from patient. Launder clothes and wash skin thoroughly with soap and water. If severe irritation persists, seek medical advice.
EYES: Immediately flush the contaminated eye(s) with flowing water for at least 15 minutes If symptoms persist, seek medical attention.	INHALED: Remove patient from contaminated area. Contact a doctor if symptoms persist.
FIRST AID FACILITIES: Provide eye wash and shower facilities in workplace.	

5. HEALTH EFFECTS

INGESTION: Product is moderately toxic.

EYES: Severe eye irritant.

SKIN: No data. Prolonged or repeat exposure may cause defatting of skin.

INHALED: Inhalation overexposure of product is unlikely due to low volatility of the product.

6. FIRE-FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES: Keep all non essential personal upwind. Fire fighters and other people who may be exposed to fumes should wear self contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Product is combustible and will burn. Harmful fumes including hydrogen bromide, hydrogen chloride and hydrogen cyanide may be emitted if product is involved in a fire.

FLAMMABILITY: Flammable.

HAZCHEM CODE: N/A

EXPOSURE LIMITS: SWA has set a limit for hydrocarbons as TWA 100 mg/m³.

EXTINGUISHING MEDIA: Extinguish fire using water fog, alcohol foam or dry agent.

7. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Wear cotton overalls buttoned to the neck and wrist, washable hat, elbow length PVC gloves and a face shield or goggles.

ENVIRONMENTAL PROTECTION: DO NOT contaminate ponds, streams, ditches etc. as contaminated water is dangerous to humans, stock, fish, crustacean and wildlife.

CLEAN UP AND DISPOSAL: Contain spill and absorb with sand or proprietary absorbent. Prevent from entering drains, waterways or sewers. Collect in sealed open-top containers for disposal

8. HANDLING AND STORAGE

HANDLING: Wear cotton overalls buttoned to the neck and wrist, washable hat, elbow length PVC gloves and a face shield or goggles. If product is in eyes, wash out immediately with water. 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 or goggles and contaminated clothing.

STORAGE: Store in closed original container in a cool well ventilated area away from children, animals, food, feedstuffs, seed and fertilizer. Do not store for prolonged periods in direct sunlight.

TRANSPORT: Check containers periodically for leaks. Store or transport material in a dry place.

9. EXPOSURE CONTROL/PERSONAL PROTECTION

SKIN PROTECTION: Wear cotton overalls buttoned to the neck and wrist, washable hat, elbow length PVC gloves, impervious footwear.

RESPIRATOR TYPE: Wear faceshield.

HYGIENE RECOMMENDATIONS: 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, goggles, contaminated clothing.

EYE PROTECTION: Protective goggles should be worn when this product is being used.

EXPOSURE LIMITS: SWA has set a limit for hydrocarbons as TWA 100 mg/m³.

VENTILATION: Must be available when using this product, particularly without a respirator.

10. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dark brown liquid with typical solvent odour.	pH: No data	SPECIFIC GRAVITY (20°C): 1.07-1.09	BOILING POINT: 190- 270°C
FLASH POINT: 75°C	VAPOUR DENSITY: No data	FLAMMABILITY LIMITS: 0.6-0.7	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. Excessive heat and flame.
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HAZARDOUS DECOMPOSITION PRODUCTS: Harmful fumes including hydrogen bromide, hydrogen chloride and hydrogen cyanide may be emitted if product is involved in a fire.

12. TOXICOLOGICAL INFORMATION

Bromoxonil Technical: Acute Oral LD50 (rats) 365 mg/kg Acute Oral Toxicity (mice) 306 mg/kg Acute Dermal Toxicity (rats) >2000 mg/kg	MCPA is octyl ester: Acute Oral LD50 (rats) 1550 mg/kg Acute Dermal Toxicity (rabbit) >2000 mg/kg Acute inhalation LC 50 4 hours (rats) >4.5 mg/L
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13. ECOLOGICAL INFORMATION

DO NOT contaminate ponds, streams, ditches etc. as contaminated water is dangerous to humans, stock, fish, crustacean and wildlife.

14. DISPOSAL

WASTE DISPOSAL METHOD: Dispose in accordance to the label and local regulations.

15. TRANSPORT INFORMATION

UN No: Not Allocated.	SHIPPING NAME: Exempt.
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16. REGULATORY INFORMATION

POISONS SCHEDULE: Schedule 6 according to SUSMP.	HAZARD CATEGORY: Xn (Harmful).
PACKAGING AND LABELLING: Exempt.	CLASSIFICATION: Exempt.

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 Medicine & Poisons
UN: United Nations Number
TWA: Time weight average.

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