

DATE OF ISSUE: 24TH DECEMBER 2007

BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BINDII KILLER

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

IDENTIFICATION

OTHER NAMES: N/A

USE: A selective herbicide for some crop situations and turf including domestic situations.

UN NUMBER: N/A

HAZCHEM CODE: N/A

DANGEROUS GOODS CLASS: N/A

POISONS SCHEDULE: S6

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: Dark brown liquid with typical solvent odour.

FLASHPOINT (°C): 75°C

BOILING POINT (°C): 190 - 270°C

FLAMMABILITY LIMITS (%): 0.6-0.7

VAPOUR PRESSURE (___): N/A

SOLUBILITY IN WATER (g/L): Miscible

SPECIFIC GRAVITY: 1.07-1.09

INGREDIENTS

CHEMICAL ENTITY	CAS NO.	PROPORTION
Bromoxynil Octanoate	1689-99-2	20%
MCPA (Butoxyethanol Ester)	29450-45-1	20%
Solvent	64742-94-5	34%

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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE:

SWALLOWED: This product is expected to be moderately toxic if swallowed. An acute oral toxicity has not been determined. Amounts swallowed during normal handling are not expected to cause injury. If aspirated the solvent may cause chemical pneumonitis.

EYES: May cause severe irritation.

SKIN: Acute dermal toxicity has not been determined for this product but based on data available for the components dermal toxicity is expected to be moderate. Prolonged or repeated exposure may cause defatting of skin which could lead to secondary dermatitis. exposure of the skin to the spray may cause irritation.

INHALED: Over exposure by inhalation is unlikely. The low volatility of the product removes any expected effect from inhaling the concentrate.

CHRONIC: Repeated exposure may lead to dermatitis, weight loss and damage to liver, kidneys and gastrointestinal effects.

FIRST AID

SWALLOWED: Rinse mouth and drink plenty of water. Do not give anything to a semi-conscious or unconscious person. If swallowed do not induce vomiting. Seek medical advise immediately. Call Poisons Information Centre (Australia) 131126.

EYES: Irrigate for 15 minutes with copious quantities of water with eyelids held open. If severe or if irritation persists see a doctor.

SKIN: Remove contaminated clothes and launder. Wash affected areas thoroughly with soap and water. If severe or if irritation persists see a doctor.

INHALED: Remove to fresh air until recovered. Seek medical advise.

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FIRST AID FACILITIES: If poisoning occurs, seek medical advice or contact Poisons Information Centre (Australia) 131126.

ADVICE TO DOCTOR: Treat symptomatically. If vomiting occurs solvent present may cause pulmonary pneumonitis.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS: No standards have been set for any of the active ingredients. The solvent has a recommended exposure limit of 100 mg/m³, TWA, 17 ppm TWA as total hydrocarbon.

ENGINEERING CONTROLS: Use only in well ventilated areas.

PERSONAL PROTECTION: Wearing of long sleeved overalls, chemically resistant gloves and appropriate eye protection is recommended.

FLAMMABILITY: Product is combustible.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT: Store in a cool dry place away from direct sunlight. Store away from food and foodstuffs for animal or human consumption. Storage apart from other crop protection chemicals is recommended. Product should be transported in accordance with appropriate legislation. Product is not classified as dangerous for transportation by road in Australia. It is classified as dangerous for transportation by sea or air.

SPILLS 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.

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FIRE/EXPLOSION HAZARD: 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. Keep all non essential personal upwind. Firefighters and other people who may be exposed to fumes should wear self contained breathing apparatus. Extinguish fire using water fog, alcohol foam or dry agent. Product may react with strong oxidising agents such as chlorine or inorganic peroxides.

Stop fire water from entering drains or water bodies

OTHER INFORMATION

TOXICITY: For a similar product: Acute oral LD 50 (rats) is 691 mg/kg

Bromoxonil Technical:

Acute Oral LD50 (rats) 365 mg/kg

Acute Oral Toxicity (mice) 306 mg/kg

Acute Dermal Toxicity (rats) >2000 mg/kg

Chemical is toxic to fish (LC 50 48 hours Rainbow Trout: 0.15mg/L

Chemical is moderately toxic to birds (Acute Oral LD50 Pheasants 175 mg/kg)

Chemical is not toxic to bees.

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

Chemical is toxic to fish (LC 50 96 hours Rainbow Trout: 3.2 mg/L

Chemical is not toxic to birds (Acute Oral LD50 mallard duck >2250 mg/kg)

Chemical is not toxic to bees.

NOTICE: Information for this product is believed to be reliable, however buyer and user assume all risk of use, handling and storage whether in accordance with directions or not. Barmac Industries Pty Ltd and its agents give no guarantee or warranty of any kind express or implied concerning the use of this product and will not accept any responsibility whatsoever whether in contract or tort for any loss including consequential loss arising out of the use of this product or caused by this product.
