

DATE OF ISSUE 24<sup>TH</sup> DECEMBER 2007

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

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: BARMAC DSMA CLEAR**

**PHONE: (07) 3280 3000**

**EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000**

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**Classified as hazardous by Worksafe Australia Criteria**

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**IDENTIFICATION**

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**OTHER NAMES:** Disodium methylarsonate

**USE:** A post-emergent contact herbicide for control of certain weeds in various turf situations.

**UN NUMBER:** N/A

**HAZCHEM CODE:** N/A

**DANGEROUS GOODS CLASS:** N/A

**POISONS SCHEDULE:** 7

**PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:** A golden-light brown transparent liquid

**FLASHPOINT (°C):** Not flammable

**BOILING POINT (°C):** N/A

**FLAMMABILITY LIMITS (%):** N/A

**VAPOUR PRESSURE (\_\_\_):** Very low volatility

**SOLUBILITY IN WATER (g/L):** Totally

**SPECIFIC GRAVITY:** Approx 1.6

**INGREDIENTS**

**CHEMICAL ENTITY**

**CAS NO**

**PROPORTION**

DSMA

144-21-8

22 % w/v

Inert ingredients

78 % w/v

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### **HEALTH HAZARD INFORMATION**

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#### **HEALTH EFFECTS**

##### **ACUTE:**

**SWALLOWED:** Ingestion of large quantities of product will cause irritation of the throat and gastrointestinal system with accompanying headaches, vomiting, diarrhoea, dizziness, convulsions and paralysis. LD<sub>50</sub> (Rat): 2800mg/kg (Rat).

**EYES:** Will contact irritation.

**SKIN:** May cause irritation to unprotected skin. May aggravate pre existing skin disorder. LD<sub>50</sub> (Rabbit): 10 000 mg/kg.

**INHALED:** May irritate respiratory tract.

**CHRONIC:** Based on a 90 day rat feeding study the no effect level was found to be 186 ppm for methanearsonic acid (100%).

##### **FIRST AID**

**SWALLOWED:** If swallowed and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF.

**EYES:** If in eyes wash with running water for at least 15 minutes. If irritation persists seek medical advice.

**SKIN:** Remove contaminated clothing immediately. Wash the affected area with water and mild soap. If irritation persists seek medical attention.

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**INHALED:** Move victim to fresh air. If irritation or symptoms persist seek medical attention.

**FIRST AID FACILITIES:** No special or unusual first aid requirements exist for this product.

**ADVICE TO DOCTOR:** Do not use BAL as antidote. Suspected ingestion can be confirmed by urine analysis for arsenic residue. A value above 0.6 pm arsenic is indicative of acute poisoning. If product has been swallowed empty stomach by intubation, aspiration and lavage. Administer activated charcoal to absorb residual toxicant.

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## **PRECAUTIONS FOR USE**

**EXPOSURE STANDARDS:** Air concentrations should be maintained below 0.05 mg/m<sup>3</sup> of arsenic. (8 hours TWA).

**ENGINEERING CONTROLS:** As product is liquid with low volatility good natural ventilation should be adequate for most handling situations.

**PERSONAL PROTECTION:** In order to avoid breathing spray droplets a suitable agricultural type respirator should be worn. When preparing spray and using prepared spray wear overalls buttoned to the neck and wrist, a washable hat and rubber gloves. Wash all protective clothing at the end of each day. Always wash face and hands before eating, drinking or smoking and after use.

**FLAMMABILITY:** Product is not flammable. If involved in a fire or mixed with acids and metals the product may give off arsenic gas which is highly toxic.

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### **SAFE HANDLING INFORMATION**

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**STORAGE AND TRANSPORT:** Product should be stored in a cool dry place out of reach of children. In some states legislation dictates specific storage requirements for S7 poisons. Product should not be stored or transported with food, animal feed, seed or utensils and equipment used in food preparation.

**SPILLS AND DISPOSAL:** Spills should be either absorbed onto inert absorbent or mopped up. Area should be washed with water and the water also mopped up. Spilled material and water should be either applied in accordance with label directions or placed in an appropriately marked container for disposal. Triple or preferably, pressure rinse empty containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. Break, crush, and or puncture and bury empty containers in a local authority landfill. If not available bury the containers at a depth of 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers or product should not be burned.

**FIRE/EXPLOSION HAZARD:** Product is not flammable. If involved in a fire or mixed with acids and metals the product may give off arsenic gas which is highly toxic. Firefighters and other personal should wear breathing apparatus.

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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.

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