

DATE OF ISSUE 24TH DECEMBER 2007

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

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BARMAC SODIUM MOLYBDATE DIHYDRATE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Classified as hazardous by Worksafe Australia Criteria

IDENTIFICATION

OTHER NAMES: Molybdic Acid Disodium Salt, Disodium Molybdate Dehydrate

USE: Additive for fertilizers and feeds, micronutrient.

UN NUMBER: N/A

HAZCHEM CODE: N/A

DANGEROUS GOODS CLASS: N/A

POISONS SCHEDULE: N/A

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: White odourless powder or crystals.

FLASHPOINT (°C): N/A

BOILING POINT (°C): DEC

FLAMMABILITY LIMITS (%): (as % volume in air)

VAPOUR PRESSURE (___): N/A

SOLUBILITY IN WATER (g/L): 588

SPECIFIC GRAVITY: 2.56

INGREDIENTS

CHEMICAL ENTITY

Sodium Molybdate Dehydrate

CAS NO

10102-40-6

PROPORTION

> 98.5%

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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE:

SWALLOWED: Slightly toxic and irritative.

EYES: Moderately irritative.

SKIN: Causes irritation.

INHALED: Exposure to dust is slightly toxic and slightly irritative to the upper respiratory tract (including mucous membranes, throat and lungs).

CHRONIC: No significant health effects could be found. Carcinogenicity: none identified
Reproductive effects: none identified

FIRST AID

SWALLOWED: If conscious, immediately induce vomiting (Ipecac syrup or stimulate throat with finger). DO NOT give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

EYES: In case of eye contact immediately flush eyes with running water for at least 15 minutes, retracting eyelids often. Seek medical attention if irritation persists.

SKIN: Immediately wash affected area with copious amounts of soap and water. Remove contaminated clothing and shoes and wash before re-use. Seek medical attention if irritation persists.

INHALED: Remove victim from contaminated area immediately; avoid becoming casualty. If

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NOT breathing apply artificial resuscitation. Experienced person may administer oxygen if breathing is difficult. Seek medical attention if symptoms persist.

FIRST AID FACILITIES: Normal

ADVICE TO DOCTOR: Treat symptomatically.

Target organs: respiratory system, lungs. In animals: kidneys and blood. Medical conditions generally aggravated exposure: none identified.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS: Threshold limit value (TLV/TWA): 5 mg/m³
Short-term exposure limit (STEL): not established
Permissible exposure limit (PEL): 5 mgr/m³

ENGINEERING CONTROLS: Use general or local exhaust ventilation to meet TLV requirements.

PERSONAL PROTECTION: Ensure an eye bath and safety shower are available and ready for use. Respiratory protection: none required where adequate ventilation conditions exist. If airborne concentration exceeds TLV, a self-contained breathing apparatus is advised. Eye/Skin protection: safety goggles and rubber gloves are recommended.

FLAMMABILITY: Material is non-combustible

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT: Transport or store in a cool, dry place away from direct sunlight and heat. Keep container tightly closed. Suitable for any general chemical storage area.

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SPILLS AND DISPOSAL: Wear suitable protective clothing. Avoid raising dust. Shovel or vacuum up material, place in plastic film bags inside steel drums and hold for waste disposal. If material is not contaminated re-use the material. Wash spill site with soapy water after initial pick up is complete. Dispose of in accordance with Local, State and Federal regulations by cautiously acidifying a 3% solution or suspension of the material to pH 2 with sulphuric acid. Gradually add a 50% excess of aqueous sodium bisulphite with stirring at room temperature. An increase in temperature indicates that a reaction is taking place. If no reaction is observed on the addition of 10% of the sodium bisulphite solution, initiate it by cautiously adding more acid. If manganese, chromium, or molybdenum is present, adjust the pH of the solution to 7 and treat with sulphide to precipitate for burial as hazardous waste. Destroy excess sulphide, neutralise and flush down the drain.

FIRE/EXPLOSION HAZARD: Material is stable under normal conditions of use and storage. Hazardous polymerisation will not occur. Evolves TOXIC gases on decomposition.

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.
