

BARMAC e-FLOW STIMULUS

MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: 08.11.2011

PREPARED BY: LL

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

PRODUCT NAME:

e-Flow Stimulus

APVMA REGISTRATION NUMBER: Not applicable.

SCHEDULE: Exempt. according to SUSDP

USE:
Fertiliser

AUSTRALIAN MANUFACTURER:

Barmac Pty Ltd
17 Machinery Street,
Darra, QLD 4076

Phone (07) 3727 3000

EMERGENCY PHONE NUMBERS:

1-877-854-2494 (USA/Canada)
+1-952-852-4636 Outside
USA/Canada
Poisonings: 131 126 POISON INFORMATION CENTRE

FORM:
Liquid Fertiliser
(Soil Nutrient)

2. HAZARD IDENTIFICATION

CLASSIFICATION:

Classified as non- hazardous according to the criteria of NOHSC.
Non- Dangerous According to the ADGC for RRT.

RISH PHRASES:

R34,R36/37/38

UN NUMBER:

Not Applicable

SAFETY PHRASES:

S1-2, S26-45.

3. COMPOSITION INFORMATION ON INGREDIENTS

MIXTURE: CHEMICAL IDENTITY:

Phosphoric acid
Urea
Potassium Carbonate
Zinc Nitrate
Sargassum Kelp Extract
Other inert ingredients

PROPORTION (%w/v):

<50
<50
<50
<50
<50
>50

CAS NO:

7664-38-2
57-13-6
584-08-7
10196-18-6
Not Applicable
Not Applicable

4. FIRST AID MEASURES

SWALLOWED: Call a poison control centre or physician immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control centre or doctor. Do not give anything by mouth to an unconscious person.

EYE CONTACT: Flush with cool water for at least 15 minutes. If irritation develops, obtain medical assistance.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control centre or doctor for treatment advice.

INHALED: Recovery is rapid after removal from exposure. If symptoms are experienced, remove source of contamination or remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

FIRST AID FACILITIES: Provide eye wash and shower facilities in workplace.

5. HEALTH EFFECTS

SWALLOWED: Ingesting of very large amounts may cause diarrhoea, nausea, vomiting and cramps.	SKIN: Slight irritant, especially from prolonged exposure. May cause redness, drying and cracking
EYES: Can cause mild irritation to eyes.	INHALATION: May cause irritation of nasal mucous membranes.

6. FIRE-FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES: There are no fire related hazards. The material is not oxidising or release excess volumes of gasses on heating.	EXTINGUISHING MEDIA: Use foam, dry chemical, carbon dioxide or water spray when fighting fires involving this material. Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid run off.	UNUSUAL FIRE & EXPLOSION HAZARDS: Not explosive
FLAMMABILITY: This product is not highly flammable.	EXPOSURE LIMIT: The preparation is not known to produce hazardous decomposition products under normal storage conditions. Normal products of organic combustion will be released under normal conditions or pyrolysis or combustion.	HAZCHEM CODE: Not applicable

7. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. Skin: Wear impervious clothes, waterproof gloves, shoes plus socks. Respiratory: Not normally needed. If use generates a respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).

ENVIRONMENTAL PROTECTION: This product is biodegradable.

CLEAN UP AND DISPOSAL: Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment wash waters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

8. HANDLING AND STORAGE

HANDLING:
When using, do not eat, drink or smoke. Wash thoroughly before smoking, eating or using toilet facilities. Wear chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. Skin: Wear impervious clothes, waterproof gloves, shoes plus socks. Respiratory: Not normally needed. If use generates a respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).

STORAGE:
Store in original container only in a cool, well-ventilated, dry location. Keep away from strong acids. Do not store near food or feeds. Do not stack pallets more than two (2) high.

TRANSPORT:
Not classified as a Dangerous Good according to the ADGC for RRT.

9. EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS: No exposure limit has been assigned to this product.	HYGIENE RECOMMENDATIONS: Avoid breathing of spray mists. Avoid contact with skin, eyes or clothing. Wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.	RESPIRATOR TYPE: Respirators conforming to AS1716 should be worn.
SKIN PROTECTION: Handlers must wear long-sleeved shirt and long pants, shoes plus socks, protective eyewear and particle mask..	VENTILATION: Not required	EYE PROTECTION: Safety goggles are recommended.

10. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dark brown, viscous liquid with strong organic odour.	BOILING POINT: Not applicable.	pH: 1.7	FREEZING POINT: Not applicable.
FLASH POINT: Not applicable.	DENSITY: Not applicable.	VAPOR PRESSURE: Not applicable.	SOLUBILITY: Soluble.

11. STABILITY AND REACTIVITY

STABILITY: Stable if stored in original container under normal ambient conditions.	INCOMPATIBILITY/CONDITIONS TO AVOID: Strongly alkaline material.	HAZARDOUS DECOMPOSITION PRODUCTS: Burning may result in the release of carbon monoxide fumes.
----------------------------------------------------------------------------------------------	----------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------

12. TOXICOLOGICAL INFORMATION

ACUTE: No data available		
REPEATED DOSE TOXICITY: No data available.		
CARCINOGEN DATA: No evidence of carcinogenic effects.	MUTAGENIC DATA: No evidence of mutagenicity.	REPRODUCTIVE EFFECTS: No adverse reproductive effects have been observed in experimental animals

13. ECOLOGICAL INFORMATION

ECOTOXICITY: This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

14. DISPOSAL

WASTE DISPOSAL METHOD:

Dispose of waste according to local, state and federal regulations for non hazardous waste. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal

15. TRANSPORT INFORMATION

UN NO: Not applicable.

UN PROPER SHIPPING NAME: Not classified as a Dangerous Good according to the ADGC for RRT.

SHIPPING NAME: Fertiliser

16. REGULATORY INFORMATION

POISONS SCHEDULE:

Not applicable

HAZARD CATEGORY:

Not classified as Hazardous for supply/use.

PACKAGING AND LABELLING:

See risk phases and safety phases in Section 2.

CLASSIFICATION:

Not classified as Dangerous for supply/use.

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

SUSDP Standard for the Uniform Scheduling of Drugs & Poisons

UN: United Nations Number

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Bell Laboratories, Inc. provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all current data relevant to their particular use.