

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 SURESTART**

**PHONE: (07) 3280 3000**

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

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**Not Classified as hazardous by Worksafe Australia Criteria**

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### **IDENTIFICATION**

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**OTHER NAMES:** Nil

**USE:** A Fertilizer mixture

**UN NUMBER:** N/A

**HAZCHEM CODE:** N/A

**DANGEROUS GOODS CLASS:** N/A

**POISONS SCHEDULE:**

### **PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:** A small granular product

**FLASHPOINT ( ° C):** N/A

**BOILING POINT ( ° C):** solid

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

**VAPOUR PRESSURE (\_\_\_):** <10

**SOLUBILITY IN WATER (g/L):** Insoluble, swells to a gel upon contact with aqueous fluids.

**MELTING POINT:** >N/A

**SPECIFIC GRAVITY (H2O=1):** N/A

**VAPOUR DENSITY:** N/A

**EVAPORATION RATE (Butyl Acetate=1):** <1

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**INGREDIENTS**

<b><u>CHEMICAL ENTITY</u></b>	<b><u>CAS NO</u></b>	<b><u>PROPORTION</u></b>
Crosslinked Acrylamide, Acid Copolymer, Potassium Salt	31212-13-2	<30%
Ureaformaldehyde	9011-5-6	<20%
Sulphate of Potash	7778-80-5	<20%
Sterilised Manures		<30%
Urea	57-13-6	<20%
Ferrous Sulphate	7720-78-7	<10%
Non Hazardous Surfactants		<25%
Humus		<10%
Beneficial Microbes		<1%

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**HEALTH HAZARD INFORMATION**

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**HEALTH EFFECTS**

**ACUTE:** Routes of entry inhalation: YES Skin: NO Ingestion:NO

Health Hazards Acute (short term) inhalation of dust may cause mild irritation of upper respiratory (Acute and Chronic) tract (nose and throat) and lungs.

**SWALLOWED:** Swallowing product can cause nausea, vomiting, diarrhoea and abdominal pain.

**EYES:** May irritate eyes.

**SKIN:** May irritate skin. Surfactants may cause defatting of skin after prolonged contact

**INHALED:** Inhalation of dust may result in respiratory irritation and may also irritate mucous membranes.

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**CHRONIC:** Chronic (long term) inhalation exposure to rats for a lifetime (two years) using sodium polyacrylate that had been microzied to a respirable particle size (less than 10microns) produced non-specific inflammation and chronic lung injury at 0.2mg/m<sup>3</sup> and 0.8mg/m<sup>3</sup>. At 0.8mg/m<sup>3</sup>, tumours were seen in some animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects of any kind at 0.05mg/m<sup>3</sup>. Sodium polyacrylate had no effect in mutagenicity tests.

Signs and symptoms of Exposure Possible reddening, drying of skin and eyes with itching, burning or other discomfort, irritation of noes and throat.

Medical conditions generally may aggravate existing respiratory conditions; skin conditions (due to Aggravated by exposure drying effect).

**FIRST AID**

**SWALLOWED:** If Swallowed contact a doctor or Poisons Information Centre.

**EYES:** If in eyes, hold eyelids open, flood with water for at least 15 minutes and see a doctor.

**SKIN:** If skin contact occurs remove contaminated clothing and wash skin thoroughly.

**INHALED:** Remove victim to fresh air and seek medical advice if any discomfort.

**FIRST AID FACILITIES:** Normal

**ADVICE TO DOCTOR:** treat symptomatically.

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**PRECAUTIONS FOR USE**

**EXPOSURE STANDARDS:** No occupational exposure standards have been set for this product or its ingredients. Standards for nuisance dusts should be observed.

**ENGINEERING CONTROLS:** Avoid generating and inhaling dust. Use in well-ventilated area. Keep containers closed when not in use.

**PERSONAL PROTECTION:** While there are no specific requirements it is recommended that safety glasses or goggles, PVC gloves, long sleeved overalls and an appropriate dust mask be worn.

**FLAMMABILITY:** Product is not flammable.

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**SAFE HANDLING INFORMATION**

**STORAGE AND TRANSPORT:** Product is not classified as dangerous under Australian transport codes. Product should be stored in a cool dry place away from food and feed.

**SPILLS AND DISPOSAL:** Sweep up product and return to original or similar correctly labelled alternative container. Unless spilled product has been cross-contaminated it should be used in intended fashion in accordance with label. Avoid contact with water, as extremely slippery conditions will result

Waste Disposal Method: Dispose of in accordance with Local, State and Federal regulations.

**FIRE/EXPLOSION HAZARD:** Product is not flammable and will not support combustion. Decomposition is only expected in a significant fire supported by large quantities of combustible material. Decomposition products could be harmful if inhaled and appropriate precautions are recommended for fire fighters and other essential personnel.

**FLASH POINT (METHOD USED):** Non flammable limits

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**UNUSUAL FIRE AND EXPLOSION HAZARD:** Extremely slippery conditions are created if spilled product comes in contact with water.

**PERSONAL PROTECTION:** Non Hazardous waste material suitable for approved solid waste landfill. Precautions to be taken handle as an eye irritant. Do not get into eyes. Do not inhale dust. Do not ingest.

In handling/Storage: Avoid prolonged or repeated skin contact.

Other Precautions: Dusty conditions may irritate the eyes and respiratory system. Wear goggles and mask with high efficiency filter where dust is located.

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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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