Safety Data Sheet

Bitulastic AC Powder Mix

Classified as Hazardous

1: IDENTIFICATION OF MATERIAL AND SUPPLY COMPANY

Supplier: Bituminous Products Pty Ltd
33 Violet Street
REVESBY NSW 2212

ABN No: 19 106 887 094
Business Phone: 02 9772 4433
Facsimile: 02 9792 1016

EMERGENCY CONTACT: John Arvanitidis (Phone) 02 9772 4433
(A/H) 0417 927 715

PRODUCT NAME: Bitulastic AC Powder Mix
UN No.: Not Dangerous Goods
DESCRIPTION: (Proper Shipping Name) None
DANGEROUS GOODS CLASS: Not applicable
HAZCHEM: None
POISONS SCHEDULE: None
MANUFACTURER’S PRODUCT CODE: 220-2600
RECOMMENDED USE: AC PMB Additive Concentrate

2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: Classified as non-hazardous according to Safe Work Australia

Signal Word
Warning

Hazard Classification
Classified as hazardous.
Not classified as Dangerous Goods.

Subclass 6.3 Irritating to the skin – Category B

Product Name: BITULASTIC AC POWDER MIX
Subclass 6.4 Irritating to the eye – Category A

Hazard Statement(s) (When Hot)
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Prevention Precautionary Statement(s) (When Hot)
P261 Avoid breathing dust
P264 Wash hands thoroughly after handling
P271 Use only in well ventilated area
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

Response Precautionary Statement(s) (When Hot)
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P321 IF IN EYES: Wash as quickly as possible with Diphoterine solution to neutralize material.

Storage Precautionary Statement(s)
P403 + P233 Store in a well ventilated place. Keep container tightly closed.

Disposal Precautionary Statement(s)
P501 Dispose of container in accordance with regional and national regulations.

Dangerous Goods Classification
Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail.

3: COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>CHEMICAL ENTITY</th>
<th>CAS NUMBER</th>
<th>PROPORTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM HYDROXIDE</td>
<td>(7732-18-5)</td>
<td>25 - &lt; 55 %</td>
</tr>
<tr>
<td>POLYMERS</td>
<td>(9003-55-8)</td>
<td>45 - &lt; 75 %</td>
</tr>
</tbody>
</table>

4: First Aid Measures

If poisoning occurs seek medical assistance or contact:
Poisons Information Centre on 131 126
INGESTION/SWALLOWED: Do not induce vomiting. Rinse mouth with water. Give a glass of water to drink. If vomiting occurs give further water to drink. SEEK MEDICAL ASSISTANCE.

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. Use Diphtherine if available. SEEK MEDICAL ASSISTANCE.

SKIN CONTACT: Rinse with water and remove contaminated clothing. Rinse skin and hair thoroughly with soap and water. If blistering occurs, cover with a clean bandage or burns dressing and SEEK MEDICAL ASSISTANCE.

INHALATION: Remove casualty to fresh air and keep at rest until recovered. SEEK MEDICAL ASSISTANCE.

PPE for FIRST AIDERS: Overalls, safety glasses and nitrile gloves. If exposed to dust, use respirator with particulates filter.

ADVICE TO DOCTOR: Treatment should be directed toward control of symptoms and conditions.

5: Fire Fighting Measures

HAZCHEM CODE: None

FIRE EXTINGUISHING MEDIA: Not flammable or combustible.

SPECIFIC HAZARDS: none

FIRE AND EXPLOSION HAZARD: none

6: Accidental Release Measures

SMALL SPILLS: Wear safety glasses, impermeable gloves and particulate respirator if required. Prevent from flowing or blowing around. Dispose of with dry waste.

LARGE SPILLS: Stop source of leak/loss of containment if safe to do so. Clean up personnel to wear boots overalls, gloves, face visor and Particulate respirator. Work upwind. Prevent contamination of drains and waterways. Dispose of according to local environmental authority requirements. Seek assistance of EPA and emergency services if there is a chance of entering drains and water ways.
7: Handling and Storage

**DANGEROUS GOODS CLASS:** Non DG  **SUB RISK:** None

**Handling:** Avoid skin contact and inhalation of dust.

**Storage:** Store in a cool dry place.

**Transport:** Non-dangerous goods according to The Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road and Rail.

8: Exposure Controls, Personal Protection

**National Exposure Standards:** There is no Australian Workplace Standard for this product. Provide adequate ventilation during use.

However, TWA for calcium hydroxide is 5 mg/m³ according to Safe Work Australia.

TWA is **Time Weighted Average** airborne concentration over an eight hour period five days per week over an entire working life.

Provide adequate ventilation. If using indoors, keep windows and doors open during use. Keep containers closed when not in use. These directions should prevent the TWA being exceeded.

**Biological Limit Values:** No Biological Limit Value allocated as per the National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia).

**ENGINEERING CONTROLS:** At elevated temperatures ensure ventilation is adequate to maintain air concentrations below exposure standards. Use only in well ventilated areas. If ventilation cannot be provided, wear particulate respirator. Do not enter confined spaces where dust may have accumulated.

**PERSONAL PROTECTION EQUIPMENT:** OVERALLS, SAFETY SHOES OR BOOTS, SAFETY GLASSES, GLOVES, DUST RESPIRATOR.

**Glove type** - Gloves should be used when handling material.
**Eye protection** - full face shield over safety glasses as added protection.
**Clothing protection** – Wear industrial-type work clothing or overalls and safety footwear.
Workplace- Ensure that eyewash and safety shower are available and in good working condition wherever this product is being used.

9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORM</td>
<td>Solid at ambient temperatures</td>
</tr>
<tr>
<td>APPEARANCE</td>
<td>White powder</td>
</tr>
<tr>
<td>ODOUR</td>
<td>none</td>
</tr>
<tr>
<td>PACK SIZE(S)</td>
<td>5 kg</td>
</tr>
<tr>
<td>BOILING POINT (°C):</td>
<td>not applicable</td>
</tr>
<tr>
<td>MELTING POINT (°C):</td>
<td>580°C</td>
</tr>
<tr>
<td>VAPOUR PRESSURE (KPa) :</td>
<td>Not applicable</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY @ 25 °C:</td>
<td>2.2</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER (% BY WT.):</td>
<td>0.8g/ litre</td>
</tr>
<tr>
<td>FLASH POINT (°C)-METHOD:</td>
<td>not applicable</td>
</tr>
<tr>
<td>FLAMMABILITY LIMITS IN AIR (% VOLUME):</td>
<td>LOWER UPPPER</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUNDS:</td>
<td>nil</td>
</tr>
<tr>
<td>AUTOIGNITION TEMPERATURE:</td>
<td>none</td>
</tr>
</tbody>
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10: Stability and Reactivity

Reactivity: Strong acids will react with this product otherwise, no reactivity hazards are known.

Chemical Stability: This product is thermally stable at ambient temperatures.

Conditions to avoid: contact with strong acids and overheating.

Incompatible materials: Acids.

Hazardous Decomposition Products: Calcium Oxide

11: Toxicological Information

No adverse health effects can be expected provided that the product is handled and used in accordance with the directions of this Safety Data Sheet.

Possible health effects from overexposure or misuse:

ACUTE EFFECTS:
SWALLOWED: Non-toxic however, ingestion of material may cause gastrointestinal disturbance, including irritation, nausea and vomiting.
EYES: Direct eye contact will cause irritation.
SKIN: Contact with skin may result in skin reactions.
INHALATION: Inhalation of dust may cause irritation.
CHRONIC:
Mutagenicity: Not classified as a mutagen
Carcinogenicity: Not classified as a carcinogen Contains trace amounts of crystalline silica below threshold levels to be classified as carcinogenic.
Reproductive toxicity: Not classified.
Specific Target Organ Toxicity (repeat exposure): Has not been classified

12: Ecological Information
Do not allow product to enter waste water, stormwater, rivers or creeks.
Acute Aquatic Hazard: Not determined as a marine pollutant however, could be hazardous to birds and fish.
Long term Aquatic Hazard: No information is available
Ecotoxicity: No information is available.
Persistence and degradability: No information is available.
Bioaccumulative potential: No information is available.
Mobility: No information is available.

13: Disposal Considerations
Disposal Methods:
Wherever possible, re-use, reprocess or recycle any reclaimed material to reduce waste.
- Contained spills need to be disposed via dry waste.
  - Once solidified, the material may be disposed of as solid waste in conformity with the requirements of the Regulatory Authorities.
  - Refer Section 8 for Exposure Controls

14: Transport Information
Not Dangerous Goods
Road and Rail Transport: Not Classified as Dangerous Goods by the Australian Dangerous Goods Code for Transport by Road and Rail
U.N. Number: none
Proper Shipping Name: none
DG Class: none
Hazchem Code: none
Emergency Response Guide No: not applicable
Segregation: Not applicable.

**Air Transport:** Not classified as Dangerous Goods by the International Air Transport Association (IATA). Dangerous Goods Regulations for transport by air.

### 15: Regulatory Information

**This material is not subject to the following international agreements:**
- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)

**This material is subject to the following requirements:**

- **Australian Dangerous Goods Code, IMDG, IATA**
  - **Class:** none
  - **U.N. Number:** none
  - **Proper Shipping Name:** none
  - **The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)**
  - **Therapeutic Goods Act (Commonwealth)**
  - **Poisons Schedule:** Not on schedules

**Storage:**
Non dangerous goods

### 16: Other Information

**Contact Person:** John Arvanitidis, Bituminous Products Pty Ltd
02 9772 4433
After hours 0417 927 715

This Safety Data Sheet has been complied in accordance with GHS Guidance for the preparation of Safety Data Sheets and COP Preparation of SDS for Hazardous Chemicals Safe Work Australia.

Where applicable, specific chemical composition details are provided to allow the product to be classified according to UN Number, HAZCHEM coding etc.

The information contained herein is based on the data available to BITUMINOUS PRODUCTS PTY LTD from both our suppliers and technical sources and from recognized published references and is believed to be both accurate and reliable. BITUMINOUS PRODUCTS PTY LTD has made no effort to censor or to conceal deleterious aspects of this product. Since we cannot anticipate or control the many different conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application and confirm whether they are appropriate.

Due care should be taken to make sure that the use or disposal of the product is in compliance with the appropriate Federal, State, and Local Government regulations.
END OF SDS