



Safety Data Sheet

Bitulastic Emoseal

Non Hazardous Substance and Non Dangerous Goods

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: Emoseal
UN No.: None
DESCRIPTION: (Proper Shipping Name): None
DANGEROUS GOODS CLASS: Not Dangerous Goods
PACKAGING GROUP: Not applicable
HAZCHEM: None
POISONS SCHEDULE: Not on schedules
MANUFACTURER'S PRODUCT CODE: 220-2500
RECOMMENDED USE: Bitumen Pavement Rejuvenation

2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: Not classified as hazardous according to Safe Work Australia

Pictogram(s):
None

Signal Word
Warning

Hazard Classification
Not classified as hazardous

Prevention Precautionary Statement(s)



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

<u>CHEMICAL ENTITY</u>	<u>CAS NUMBER</u>	<u>PROPORTION</u>
Water	7732-18-5	30-60%
Bitumen	8052-42-4	20-40%
Carbon Black	1333-86-4	<2%
Sand	1175	20-30%
Calcium Carbonate	1317-65-3	<5%

4: First Aid Measures

If poisoning occurs seek medical assistance or contact:

Poisons Information Centre on 131 126

INGESTION/SWALLOWED: Rinse mouth with water. If swallowed, do not induce vomiting. Give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

EYE CONTACT: Flush out immediately and thoroughly with water for at least 15 minutes. SEEK MEDICAL ADVICE.

SKIN CONTACT: Remove contaminated clothing and flush skin and hair with water. For large scale contamination, drench with water and remove contaminated clothing. Wash skin and hair thoroughly with soap and water. If blistering occurs, cover with a clean bandage and SEEK MEDICAL ASSISTANCE.

INHALATION: Remove victim from exposure and avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

PPE for FIRST AIDERS: Overalls, safety glasses, PVC or Nitrile gloves. If exposed to vapours, use respirator with organic vapour filter.

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



5: Fire Fighting Measures

HAZCHEM CODE: Not Applicable

FIRE EXTINGUISHING MEDIA: Non-combustible. If involved in fire use water fog. Dry chemical, carbon dioxide or water are all suitable.

SPECIFIC HAZARDS: Non- combustible.

FIRE AND EXPLOSION HAZARD: Non- Combustible in liquid form. Once dry the residual film can burn if ignited. Will produce smoke and toxic fumes when burning – wear breathing apparatus.

6: Accidental Release Measures

SMALL SPILLS: Wear safety glasses, impermeable gloves and organic vapour respirator if required. Clean up with rags or paper towels. Allow to dry in well ventilated area and dispose of with dry waste.

LARGE SPILLS: Stop source of leak/loss of containment if safe to do so. Remove all non - essential personnel from area.

Clean up personnel to wear boots overalls, gloves, goggles or face visor and organic vapour respirator. Work upwind and/or provide ventilation. Prevent contamination of drains and waterways. Use absorbent to clean up spilt material using non sparking tools. Collect spent absorbent material in sealed drums or containers and 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

Handling: Avoid skin contact and inhalation of vapour and mist. Do not use pressure to empty drums.

Storage: Store in a cool dry place out of direct sunlight. Protect from physical damage. Keep container closed when not in use.

8: Exposure Controls, Personal Protection

National Exposure Standards: There is no Australian Workplace Standard for this product. However the TWA for bitumen is 5 mg/m³
TWA is **T**ime **W**eighted **A**verage 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.

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: Keep containers closed when not in use. Ensure ventilation is adequate. Use only in well ventilated areas. If ventilation cannot be provided, wear organic vapour respirator. Do not enter confined spaces where vapours may have accumulated.

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

Glove type - PVC gloves or other impermeable gloves should be used when handling material.

Eye protection - Use close fitting chemical safety goggles, otherwise use safety glasses fitted with side shields. If splashing is possible use a 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 or manufactured.

Hygiene measures: Keep away from food and drink. Do not eat or drink while using this product. Always wash hands thoroughly prior to eating, drinking or using the toilet. Always launder or replace contaminated clothing or PPE before storing or reusing.

9: Physical and Chemical Properties

FORM:	Liquid
APPEARANCE:	Black paint
ODOUR:	Mild bitumen characteristic odour
PACK SIZE(S):	20 litre, 205 litre Bulk
BOILING POINT (°C):	> 100° C
MELTING POINT (°C):	Not Applicable
VAPOUR PRESSURE (KPa) :	Not Available
SPECIFIC GRAVITY @ 25 °C:	1.27
SOLUBILITY IN WATER (% BY WT.):	Miscible (dry film is insoluble)
FLASH POINT (°C)-METHOD:	Not applicable



FLAMMABILITY LIMITS IN AIR (% VOLUME):	LOWER	UPPER
	none	none
VOLATILE ORGANIC COMPOUNDS:	1%	
AUTOIGNITION TEMPERATURE:	Not applicable	

10: Stability and Reactivity

Reactivity: No reactivity hazards are known.

Chemical Stability: This product is thermally stable when stored and used as directed at ambient temperatures.

Conditions to avoid: Elevated temperatures and ignition sources.

Incompatible materials: Oxidising Agents.

Hazardous Decomposition Products: Smoke, Carbon monoxide and carbon dioxide.

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: Ingestion of material may cause gastrointestinal disturbance, including irritation, nausea and vomiting.

EYES: Direct eye contact may cause irritation.

SKIN: Contact with skin may result in skin irritation.

INHALATION: Where used in poorly ventilated areas, Inhalation of vapours may cause headaches and/or dizziness. Overexposure to vapour may result in respiratory tract irritation.

CHRONIC:

Mutagenicity: Not classified as a mutagen

Carcinogenicity: Not classified as a carcinogen

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, before drying, will be soluble in water which could be hazardous to birds and fish. Residual dry film is non-toxic and non-soluble in water.



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 soaked up and disposed into a metal container (avoid using plastic containers).
 - Once dry, the absorbed 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

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

Packing Group: None

Hazchem Code: None

Emergency Response Guide No Not Applicable

Segregation: Not applicable.

Marine Transport: Not Classified as Dangerous Goods by the International Maritime Dangerous Goods Code (IMDG Code) for Transport by Sea.

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)

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 compiled 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