

MATERIAL SAFETY DATA SHEET : bituPRIME

MSDS-bituPRIME/1, February 14, 2011

COMPANY DETAILS

Company: Fulton Hogan Ltd
Address: Private Bag 1962
Dunedin 9054, New Zealand
Telephone: 03 4776300
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IDENTIFICATION

Product Name: bituPRIME
Chemical Family: Anionic bitumen emulsion
UN Number: Not Assigned
Main Class: Not Applicable
Subsidiary Risk: Not Applicable
Hazchem Code: Not Applicable
Poisons Schedule: Not Scheduled

DESCRIPTION / PROPERTIES

Appearance: Black liquid
Odour: Slight bituminous odour
Boiling Point: Water will begin to boil off at 100°C
Melting Point: Not applicable
Vapour Pressure: Not applicable
Volatiles: 40% w/w
Specific Gravity: 1.02
Solubility In Water: Miscible
Flash Point: Not Applicable
Autoignition
Temperature: Not applicable

INGREDIENTS

Chemical Entity	Cas No.	Proportion
Bitumen	8052-42-4	50-60%
Anionic Emulsifier	Not available	< 3%
Caustic Soda	1310-73-2	< 0.1%
Viscosity Modifier	None established	<2%
Biocide	2634-33-5	<0.1%
Polymer	Not available	0-5%
Water	7732-18-5	to 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS (ACUTE)

Swallowed:
Low oral toxicity. If ingested, pain, nausea and vomiting or other gastrointestinal irritations may occur, due to irritant properties.

Eyes:
Low levels of caustic soda and other mild irritants may cause eye irritation and possibly conjunctivitis with permanent damage if not treated immediately.

Skin:
May cause localised skin irritation.

Inhaled:
Vapour pressure of product is so low that inhalation does not prevent a problem under normal conditions. Inhalation of vapours, mists and fumes (generated at high temperatures) may cause irritation to the eyes, skin, nose and respiratory tract.

HEALTH EFFECTS (CHRONIC)

Prolonged or repeated skin contact may cause dermatitis due to the defatting effect on the skin.

FIRST AID

Swallowed:

If swallowed do NOT induce vomiting. Give water to drink. Contact a Doctor or Poisons Information Centre.

Eyes:
Holding eye(s) open, immediately irrigate eye(s) with water for at least 15 minutes. Seek medical advice..

Skin:
Remove contaminated clothing and wash skin thoroughly with water. Do NOT use solvents to remove bitumen material from skin. Bitumen may be removed using vegetable or medicinal paraffin oil.

Inhaled:
Not known to be a problem. Remove patient to a well ventilated area. Recovery should be rapid after removal from exposure.

Hair:
Solidified bitumen in eyelashes, hair etc. can be removed by gently wiping with lint soaked in medicinal paraffin oil.

EMERGENCY CONTACT:

National Poisons Centre
For 24 hour assistance
Phone (03) 474 7000

PRECAUTIONS FOR USE

Exposure Limits
(NH & MRC Occupational Health Guide - May 1986)

Occupational Exposure Limits for product have not been established.

Ventilation
Use in well ventilated areas.

Personal Protection
Respiratory protection is not required under normal conditions of use. Wear approved respiratory protection where ventilation is inadequate.

Wear PVC or rubber gloves to avoid skin contact.

Safety glasses should be worn to protect eyes.

Flammability
Product is not flammable at normal temperatures of use.

SAFE HANDLING INFORMATION

Storage
Product is subject to frost damage. It is advised to store product under cover.

Transport
Product is not defined as a toxic substance or dangerous good under New Zealand legislation.

Environmental
Product may be toxic to aquatic organisms and should be kept out of sewerage and drainage systems and all bodies of water.

Spillage Precautions
Isolate spill and soak up with inert absorbent material such as sand or crusher dust or commercially available spill kits.

Disposal
Place contaminated material in disposable containers and dispose of in a manner consistent with applicable Local Authority Waste Disposal Regulations.

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Fire/Explosion

Product is not flammable. Dried film can burn when in contact with flame.

Special Fire Fighting Procedures

Wear self contained breathing apparatus in confined spaces.

Extinguishing Media

Foam, dry chemical carbon dioxide, water fog

Hazardous Decomposition Products

Normal combustion forms carbon dioxide and water vapour and may produce oxides of sulphur. Incomplete combustion can produce carbon monoxide.

Contact Point

Daytime Contact:
Industries Operations Manager
Fulton Hogan Dunedin
Phone: (03) 4776 300

After Hours Contact:
National Poisons Centre
For 24 hour urgent assistance.
Phone (03) 474-7000

Disclaimer

The information in this data sheet is, to the best of our knowledge representative of the products listed. Natural and processed products do vary so all figures are approximations for guidance only. As conditions of use are beyond our control, no liability is implied or accepted for any loss, damage or physical injury, loss of income, sustained arising from the use of this information or any of our product.