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MATERIAL SAFETY DATA SHEET – PAGE 1 OF 4

BONDBREAKER B

This product is classified as non hazardous according to criteria of NOHSC

Section 1 – Identification of the Material and Supplier

PRODUCT (MATERIAL) NAME: BONDBREAKER B
OTHER NAMES:
RECOMMENDED USES: Bond breaking bitumen emulsion
SUPPLIER NAME/ADDRESS: Aitken Freeman Pty Ltd – Factory 7, 7-9 Brough St, Springvale VIC 3171
TELEPHONE NUMBER: (03) 9701 3955 **FACSIMILE NUMBER:** (03) 9701 3956
EMERGENCY PHONE NUMBER: (03) 9701 3955 **HOURS:** 0800-1700 Mon-Fri

Section 2 – Hazards Identification

HAZARD CLASSIFICATION: Classified as a **NON-HAZARDOUS SUBSTANCE** according to criteria of **NOHSC**.
RISK PHRASES: Classified as **NON-DANGEROUS GOODS** according to criteria of **ADG Code**.
R36/R38: Irritating to the skin and eyes.
R37: Irritating to the respiratory system.
SAFETY PHRASES: **S23:** Do not breathe vapours. In case of insufficient ventilation, wear suitable respiratory equipment.
S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre on 13 11 26 (Australia-wide).
S28: After contact with skin, wash immediately with water (and soap if available)
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Section 3 – Composition / Information on Ingredients

INGREDIENTS:

Chemical Name:	Proportion:	CAS Number:
Bitumen emulsion	> 60%	
Non hazardous ingredients	30 – 40%	

Balance of formulation consists of ingredients below cut-off rates or ingredients determined not to be hazardous.

Section 4 – First Aid Measures

INHALATION: If inhaled, remove patient from contaminated area to fresh air – avoid becoming a casualty. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, under medical advice. In severe cases, symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

INGESTION: If swallowed, DO NOT induce vomiting. Rinse mouth with plenty of water. Seek immediate medical advice from a doctor or the Poisons Information Centre (13 11 26 Australia-wide).

SKIN: If skin or hair contact occurs, remove all contaminated clothing and wash before reuse. Flush skin and/or hair with running water and soap if available. Seek medical assistance if irritation persists.

EYES: If product comes into contact with eyes, hold eyelids apart and flush the eye continuously with fresh running water. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

FIRST AID FACILITIES: Eye wash and normal washroom facilities.

ADVICE TO DOCTOR: Treat symptomatically. **POISON INFORMATION CENTRE** – 13 11 26 Australia-wide.

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Section 5 – Fire Fighting Measures

FIRE AND EXPOSION HAZARDS:

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Product will react with water to produce CO₂. Ingress of water may result in hazardous increase in pressure within the container.

EXTINGUISHING MEDIA:

Carbon dioxide, water fog, foam or dry powder.

HAZARDS FROM COMBUSTION PRODUCTS:

Combustion may release toxic fumes, including carbon dioxide, carbon monoxide, and hydrocarbons. Take appropriate protective measures to avoid inhalation.

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS:

Fire fighters should wear self contained breathing apparatus if risk of exposure to vapour or products of combustion. Avoid bodily contact with substance or run off.

Section 6 – Accidental Release Measures

EMERGENCY PROCEDURES:

In the event of a major spill, prevent material from entering storm water drains, waterways, basements or workpits. Wear gloves, protective goggles and appropriate protective equipment to avoid eye and skin contact. If significant chance of vapours or mist building up the use of a respirator is recommended, however in most cases this will not be necessary. Isolate and contain spill and soak up with inert material such as clay or sand. Collect in suitable containers and ensure these are correctly labelled.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Contain and collect spills as detailed above. Refer to State Land Waste Management Authority for disposal considerations.

Section 7 – Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Wear protective goggles or face shield and rubber gloves to prevent eye and skin contamination. Contact lenses pose a special hazard as they may absorb irritants. Suitable protective clothing, PVC gloves and boots should be worn. General exhaust is normally adequate, however if risk of overexposure exists, wear approved respirator. See Section 8 for advice on Australian Standard for protective equipment.

CONDITIONS FOR SAFE STORAGE:

Keep containers tightly sealed when not in use. Store in a cool, dry, well ventilated place out of direct sunlight.

INCOMPATIBILITIES:

Product will react with water to produce carbon dioxide.

Section 8 – Exposure Controls / Personal Protection

NATIONAL EXPOSURE STANDARDS:

No exposure standards have been established for this product or its constituents by NOHSC.

BIOLOGICAL LIMIT VALUES:

Not established for the product.

ENGINEERING CONTROLS:

Ensure workplace is well ventilated to maintain air concentrations below exposure standards.

PERSONAL PROTECTION:

Avoid unnecessary contact as good work practice. Wash contaminated clothing and protective equipment before storing and reuse. Wash hands before eating, smoking, or using the toilet.

RESPIRATORY PROTECTION:

The use of a respirator or other device is recommended where engineering controls are not effective in controlling airborne exposure. For assistance in selecting suitable equipment consult AS/NZ1715.

EYE PROTECTION:

Eye protective measures are normally necessary, and are suggested when using this product. Consult AS1336 and AS/NZ1337.

PROTECTIVE GLOVES:

Rubber, PVC or other protective gloves should be worn. Consult AS2161 for guidance.

CLOTHING:

Clean overalls should be worn, preferably with an apron. Consult AS2919 for clothing guidance.

SAFETY FOOTWEAR:

Wearing safety boots is advisory. Consult AS/NZ2210 for advice on Occupational Protective Footwear.

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Section 9 – Physical and Chemical Properties

APPEARANCE (COLOUR, PHYSICAL FORM, SHAPE):

Black Liquid

ODOUR:

Faint bituminous odour

SOLUBILITY:

Soluble

VAPOUR DENSITY:

Not available

VAPOUR PRESSURE:

Not available

MELTING POINT:

Not available

BOILING POINT:

Not available

FREEZING POINT:

Not available

SPECIFIC GRAVITY:

1.13

FLASH POINT:

Not flammable

UPPER FLAMMABLE LIMIT:

Does not burn

LOWER FLAMMABLE LIMIT:

Does not burn

AUTOIGNITION TEMPERATURE:

Not applicable

VOLATILE ORGANIC COMPOUNDS (VOC) CONTENT:

Not available

Section 10 – Stability and Reactivity

CHEMICAL STABILITY:

Stable, this product is unlikely to react or decompose under normal storage conditions.

CONDITIONS TO AVOID:

None

INCOMPATIBLE MATERIALS:

Product will react with water to produce carbon dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion may release toxic fumes, including carbon dioxide, carbon monoxide, and hydrocarbons. Take appropriate protective measures to avoid inhalation.

HAZARDOUS REACTIONS:

None

Section 11 – Toxicological Information

TOXICOLOGY INFORMATION: No toxicity data is available for this product.

HEALTH EFFECTS FROM THE LIKELY ROUTES OF EXPOSURE:

INHALATION:

Available data indicates that this product is not harmful. However product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat. Other symptoms may also become evident, such as nausea, dizziness and confusion, but they should disappear after exposure has ceased.

INGESTION:

Significant oral exposure is considered to be unlikely. However this product is believed to be mildly irritating to mucous membranes and could cause discomfort or pain.

SKIN:

Available data indicated that this product is not harmful. It should present no hazards in normal use. However, product is believed to be mildly irritating, but is unlikely to cause anything more than mild transient discomfort.

EYES:

The product is believed to be mildly irritating to the eyes, but is unlikely to cause anything more than mild transient discomfort.

CHRONIC EFFECTS:

No data on health effects associated with long term contact with this product.

Section 12 – Ecological Information

ECOTOXICITY:

Not available

PERSISTENCE AND DEGRADABILITY:

Not available

MOBILITY:

Not available

ENVIRONMENTAL PROTECTION:

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

Section 13 – Disposal Considerations

DISPOSAL METHODS AND CONTAINERS:

Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.

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Section 14 – Transport Information

This material is classified as NON DANGEROUS GOODS according to criteria of Australian Dangerous Goods Code.

UN NUMBER: None assigned
UN PROPER SHIPPING NAME: None assigned
DANGEROUS GOODS CLASS: None assigned
SUBSIDIARY RISK: None assigned
PACKING GROUP: None assigned
SPECIAL PRECAUTIONS PER USER: Keep containers tightly sealed, store in a cool, dry, well ventilated place out of direct sunlight.
HAZCHEM CODE: None assigned

Section 15 – Regulatory Information

POISON SCHEDULE: Not scheduled
OHS: Unregulated
ENVIRONMENTAL: Unregulated
ADDITIONAL NATIONAL AND/OR INTERNATIONAL REGULATORY INFORMATION: Unregulated

Section 16 – Other Information

DATE OF PREPARATION OR LAST REVISION OF MSDS:

14th March 2008

CONTACT POINT:

Aitken Freeman Pty Ltd
(03) 9701 3955

LITERATURE REFERENCES / SOURCES OF DATA:

Material Safety Data Sheets from Suppliers
List of Designated Substances – Worksafe Australia (on-line)
Australian Dangerous Goods Code 6th Edition
Standard for the Uniform Scheduling of Drugs and Poisons No 19

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