

# SAFETY DATA SHEET



## BLAZETAMER

Infosafe No.: LPXXG

Issued Date: 23/03/2016

Issued by: BIOCENTRAL LABORATORIES LTD

### 1. IDENTIFICATION

#### GHS Product Identifier

BLAZETAMER

#### Company Name

BIOCENTRAL LABORATORIES LTD

#### Address

22 Phillips Street Thebarton  
SA 5031 Australia

#### Telephone/Fax Number

Tel: +61 8 8234 8886

Fax: +61 8 8234 8889

#### Emergency phone number

+61 415 824 608 or +61 458 047 431

#### Recommended use of the chemical and restrictions on use

A Class fire suppression and retarding liquid. The use of the product involves significant dilution with water (500 - 1500:1).

### 2. HAZARD IDENTIFICATION

#### GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

#### Other Information

The approval process of the USDA-FS has thoroughly assessed the environmental impact of the product.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Name	CAS	Proportion
Ingredients determined not to be hazardous, including water.		100 %

#### Preparation Description

The product is a polymer solution.

### 4. FIRST-AID MEASURES

#### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

**Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

**First Aid Facilities**

Eyewash and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media**

Use extinguishing media suitable for surrounding environment.

**Hazards from Combustion Products**

Under fire conditions this product has been tested using method NFX 70-100. No hazard reported.

**Specific Hazards Arising From The Chemical**

The product is a fire retardant and therefore non combustible.

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water based product, if spilt on electrical equipment the product will cause short-circuits.

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**7. HANDLING AND STORAGE**

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**Precautions for Safe Handling**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations. Protect from freezing.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational exposure limit values**

No exposure standards have been established for this material. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

**Biological Limit Values**

No biological limits allocated.

### Appropriate Engineering Controls

Use with good general ventilation. If mists are produced, local exhaust ventilation should be used.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material such as neoprene, nitrile or laminated film. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Footwear

Safety boots as required.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Light green liquid
Colour	Light green	Odour	Mild
Decomposition Temperature	Not available	Boiling Point	>100°C
Solubility in Water	Miscible	Specific Gravity	>1.0
pH	6.4	Vapour Pressure	Not available
Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available	Flash Point	Not applicable
Flammability	Non combustible	Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not applicable	Flammable Limits - Upper	Not applicable
Melting/Freezing Point	0°C (approximate)		

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

Not available

### Conditions to Avoid

Extremes of temperature.

### Incompatible materials

Not available

### **Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of sulphur, carbon monoxide and carbon dioxide.

### **Possibility of hazardous reactions**

Not available

### **Hazardous Polymerization**

Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

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### **Toxicology Information**

Available toxicity data is given below

#### **Acute Toxicity - Oral**

For the Concentrate: LD50 >5050 mg/kg

For the Mixed Fire Chemical: LD50 >5050 mg/kg

#### **Acute Toxicity - Dermal**

For the Concentrate: LD50 >2020 mg/kg

For the Mixed Fire Chemical: LD50 >2020 mg/kg

#### **Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

#### **Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Prolonged or repeated exposure to this material may aggravate existing respiratory disorders.

#### **Skin**

May cause mild irritation in contact with the skin, which can result in redness, itchiness and possible dermatitis. Prolonged or repeated exposure to this material may result in irritation to the skin.

Primary Dermal Irritation:

For the Concentrate: Slight irritant. Toxicity category III

For the Mixed Fire Chemical: Slight irritant. Toxicity category IV

#### **Eye**

May cause transient eye irritation resulting in redness, swelling, stinging and lacrimation.

Primary Eye Irritation - Nonwashed Eyes:

For the Concentrate: Mildly irritating. Toxicity category IV. Irritation score: 5.3

For the Mixed Fire Chemical: Practically non-irritating. Toxicity category IV. Irritation score: 0.7

Primary Eye Irritation - Washed Eyes:

For the Concentrate: Minimally irritating. Toxicity category IV. Irritation score: 5.3

For the Mixed Fire Chemical: Practically non-irritating. Toxicity category IV. Irritation score: 1.3

#### **Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

#### **Skin Sensitisation**

Not expected to be a skin sensitiser.

#### **Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

#### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

#### **STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

#### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

Anionic polyacrylamide has no systemic toxicity to aquatic organisms or micro-organisms. When diluted according to the manufacturers recommendations, this product poses no threat to the environment if it enters drains, waterways or sewers.

**Persistence and degradability**

Non-degraded anionic polyacrylamide has been shown to be recalcitrant to microbial degradation. This is probably related to the extremely high molecular weight which renders microbial attack very difficult. However, once the polymer has been degraded through photolysis (i.e., the action of UV light), and the macromolecule broken down into oligomers, it becomes bioavailable and is biomineralized.

**Mobility**

Not available

**Bioaccumulative Potential**

Anionic polyacrylamide has no potential to bioaccumulate, being completely soluble in water (only limited by viscosity) and insoluble in octanol.

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent this material entering waterways, drains and sewers.

**Acute Toxicity - Fish**

LC50 (Brachydanio rerio) : 178 - 357 mg/l/96h

Test F242:OECD 203/GLP/report 21/12/1995

**Acute Toxicity - Daphnia**

EC50 (Daphnia magna) : 212 mg/l/48h

Test F243:OECD 202/GLP/report 21/12/1995

**Acute Toxicity - Algae**

EC50 (Chlorella vulgaris) : > 1,000 mg/l/96h

No Observed Effect Concentration (NOEC): 708 mg/l

Test F244:OECD 201/GLP/report 21/12/1995

**Acute Toxicity - Bacteria**

EC10 (Pseudomonas putida): 127 mg/l/18h

EC50 (Pseudomonas putida): 892 mg/l/18h

Test F245:OECD 301F,DIN 38412-27,ISO 7027/GLP/report 21/12/1995

## 13. DISPOSAL CONSIDERATIONS

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**Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

## 14. TRANSPORT INFORMATION

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**Transport Information**

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

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

**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**Special Precautions for User**

Not available

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poisons Schedule**

Not Scheduled

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS Reviewed: March 2016

Supersedes: September 2011

**References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point**

Biocentral laboratories:

Ph, business hours:

08 8234 8886

**User Codes**

User Title Label	User Codes
Task #	19100

## END OF SDS

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