

# Material Safety Data Sheet

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Infosafe No™ LPXXG Issue Date : December 2008 ISSUED by BIOCENTR

Product Name : **BLAZETAMER**

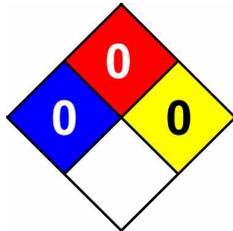
Not classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** BLAZETAMER  
**Company Name** BIOCENTRAL LABORATORIES LTD  
**Address** 22 Phillips Street Thebarton  
SA 5031 Australia  
**Telephone/Fax Number** Tel: 08 8234 8886  
Fax: 08 8234 2976  
**Recommended Use** A Class fire suppression and retarding liquid. The use of the product involves significant dilution with water (500 - 1500:1).

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Not classified as hazardous  
**Risk Phrase(s)** MAY CAUSE MILD EYE IRRITATION. MAY CAUSE SLIGHT SKIN IRRITATION.  
Not classified as hazardous  
**Environmental Hazards** The environmental effects have not been thoroughly assessed. Based on component data the product is not expected to be harmful to the environment.  
**Other Information** NFPA



## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition, information on ingredients** The product is a polyacrylamide copolymer emulsion, containing surfactants and performance additives.

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>	<b>Hazard Symbol</b>	<b>Risk Phrase</b>
	Sodium (C14-16) olefin sulphonate	68439-57-6	1-10 %		
	Other ingredients determined not to be hazardous, including water.		Balance		

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove to fresh area. Keep at rest until recovered. If symptoms persist seek medical attention.  
**Ingestion** Do NOT induce vomiting. Wash out mouth and lips thoroughly with water. Seek medical attention.  
**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If symptoms develop seek medical attention.  
**Eye** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.  
**First Aid Facilities** Eye wash fountains and normal wash room facilities.  
**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use appropriate fire extinguisher for surrounding environment.  
**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide, sodium oxide and oxides of sulphur.

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**Special Protective Equipment for fire fighters** Fire fighters should wear full protective clothing and self-contained breathing apparatus.

**Specific Hazards** The product is not combustible, but under fire conditions, the non-aqueous components may decompose and/or burn after the water component evaporates.

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to cool down heat-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert, non-combustible absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Wear appropriate protective equipment to prevent inhalation and eye exposure. Use in designated areas with adequate ventilation. Prevent the creation of vapours and mist in the work atmosphere. Keep containers closed when not in use. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

**Conditions for Safe Storage** Non combustible liquid. Store in a cool, dry well-ventilated area away from heat and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure standards have been established for this material.

**Engineering Controls** Use with good general ventilation. If mist or vapour are produced local exhaust ventilation should be used.

**Respiratory Protection** In case of insufficient ventilation, suitable respiratory equipment should be worn.

**Eye Protection** Where eye contamination is likely the use of chemical goggles, safety glasses with side shield protection or face shield as appropriate should be worn.

**Hand Protection** Suitable impervious gloves, e.g. neoprene, nitrile or laminated film are recommended.

**Footwear** Safety boots as required.

**Body Protection** Suitable impervious protective clothing should be worn when handling large quantities.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** White liquid.

**Odour** With mild odour.

**Melting Point** 32°F approx.

**Boiling Point** >212°F

**Solubility in Water** Miscible with water.

**Specific Gravity** >1.0

**pH Value** 6.4 (as supplied)

**Vapour Pressure** Not available

**Vapour Density (Air=1)** Not available

**Flash Point** Not applicable, water-based emulsion.

**Flammability** Non-combustible liquid.

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**Flammable Limits - Lower** Not applicable**Flammable Limits - Upper** Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of storage and handling.**Hazardous Decomposition Products** Decomposition may lead to the release of toxic and/or irritating fumes including carbon monoxide and sodium oxide and oxides of sulphur.**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** Acute Oral Toxicity:  
For the Concentrate: LD50 >5050 mg/kg  
For the Mixed Fire Chemical: LD50 >5050 mg/kgAcute Dermal Toxicity:  
For the Concentrate: LD50 >2020 mg/kg  
For the Mixed Fire Chemical: LD50 >2020 mg/kgPrimary 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: 0.7Primary 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: 1.3Primary Dermal Irritation:  
For the Concentrate: Slight irritant. Toxicity category III  
For the Mixed Fire Chemical: Slight irritant. Toxicity category IV  
**Inhalation** Inhalation of vapours or mists may cause irritation to the mucous membranes and upper airways.**Ingestion** May cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea and vomiting.**Skin** May cause mild irritation in contact with the skin, which can result in redness, itchiness and possible dermatitis.**Eye** May cause transient eye irritation resulting in redness, swelling, stinging and lacrimation.**Chronic Effects** Prolonged or repeated exposure to this material may result in irritation to the skin, and aggravate existing respiratory disorders.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Anionic polyacrylamide has no systemic toxicity to aquatic organisms or micro-organisms.**Persistence / 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.**Environ. Protection** Do not allow product to enter drains, waterways or sewers.**Acute Toxicity - Fish** LC50 (Brachydanio rerio) 96 hours: 178 - 357 mg/L

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<b>Acute Toxicity - Daphnia</b>	Test F242:OECD 203/GLP/report 21/12/1995 EC50 (Daphnia magna) 48hr: 212 mg/L
<b>Acute Toxicity - Algae</b>	Test F243:OECD 202/GLP/report 21/12/1995 EC50A (I)/Chlorella vulgaris/ 96 hours: > 1,000 mg/L EC50µ (I)/Chlorella vulgaris/ 96 hours: > 1,000 mg/L No Observed Effect Concentration (NOEC): 708 mg/L Test F244:OECD 201/GLP/report 21/12/1995
<b>Acute Toxicity - Bacteria</b>	EC10/Pseudomonas putida/18 hours: 127 mg/L EC50/Pseudomonas putida/18 hours: 892 mg/L Test F245:OECD 301F, DIN 38412-27, ISO 7027/GLP/report 21/12/1995

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	Dispose of waste, according to federal, EPA and state regulations. Assure conformity with all applicable regulations.
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### 14. TRANSPORT INFORMATION

<b>Transport Information</b>	Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. Contains no substances classified as marine pollutant.
<b>DOT</b>	Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. This product is not regulated for transportation.
<b>DOT Class</b>	None allocated
<b>DOT Packing Group</b>	None allocated

### 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	This product is considered to be a non-hazardous chemical under the Hazard Communication Standard.
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### 16. OTHER INFORMATION

<b>Date of preparation or last revision of MSDS</b>	MSDS Created: December 2008
<b>Literature References</b>	Hazard Communication Standard. ACGIH Threshold Limit Values. NIOSH: Pocket Guide to Chemical Hazards.
<b>Technical Contact Point</b>	Firepak Oil & Gas Industries: Phone Business Hours: +1 360 941 2358 or Customer Information: +1 713 952 1996 ...End Of MSDS...

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