SAFETY DATA SHEET

BLAZETAMER380

Infosafe No.: CV44J
Version No.: 2.0
Issued Date: 27/05/2016
Issued by: BIOCENTRAL LABROATORIES LTD

1. IDENTIFICATION

GHS Product Identifier
BLAZETAMER380

Company Name
BIOCENTRAL LABROATORIES LTD

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UNITED STATES

Telephone/Fax Number
Telephone: +618 8234 8886 Fax number: +618 8234 8889

Emergency phone number
704 682 3343
704 591 0739

Recommended use of the chemical and restrictions on use
This product is an A Class fire suppression and retarding liquid. The use of the product involves significant dilution with water (1: 150 to 1:1500).

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Other Information
HMIS Rating: Health hazard 1, Flammability 0, Physical 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition, information on ingredients
Polyacrylamide copolymeremulsion, contains surfactants and additives

Ingredients

Name	CAS	EINECS	Proportion
Ingredients determined not to be hazardous			100 %

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.

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 and gases including: sodium oxides, oxides of sulphur and oxides of carbon.

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

Specific Hazards Arising From The Chemical
This product is non combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

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.

Other Information
NFPA rating: Health: 1, Flammability: 0, Instability: 0

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear appropriate personal protective equipment and clothing to prevent exposure. As a water based product, if spilt on electrical equipment the product will cause short-circuits. 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.

7. HANDLING AND STORAGE

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 incompatabilities
Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
No exposure standards have been established for this material.

Biological Limit Values
No biological limit allocated.

Appropriate Engineering Controls
Use with good general ventilation. If mists or vapours 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 should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. Eye protection devices should conform to relevant regulations.

Hand Protection
Wear gloves of impervious material such as neoprene, nitriles 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
Wear safety footwear. Final choice will vary according to individual circumstances.

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

Form
Liquid

Appearance
White milky liquid

Colour
White

Odour
Mild

Decomposition Temperature
Not available

Melting Point
32°F (approximate)

Boiling Point
>212°F (approximate)

Solubility in Water
Miscible

Specific Gravity
0.998

pH
6.4

Vapour Pressure
Not available

Vapour Density (Air=1)
Not available

Evaporation Rate
Not available

Odour Threshold
Not available

Viscosity
Not available

Flash Point
Not applicable

Flammability
Non combustible material.

Auto-Ignition Temperature
Not available

Flammable Limits - Lower
Not available

Flammable Limits - Upper
Not available

10. STABILITY AND REACTIVITY

Reactivity
Reacts with incompatible materials.

Chemical Stability
Stable under normal conditions of storage and handling.

Conditions to Avoid
Extremes of temperature and direct sunlight

Incompatible materials
Not available .

Hazardous Decomposition Products
Thermal decomposition may result in the release of toxic and/or irritating fumes including: oxides of sulphur, sodium oxides and carbon monoxide

Possibility of hazardous reactions
Not available

Hazardous Polymerization
Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
Toxicity data for material given below.

Acute Toxicity - Oral
LD50 (oral): >5050mg/kg

Acute Toxicity - Dermal
LD50 (dermal): >2020mg/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.

Skin
May be irritating to skin. The symptoms may include redness, itching and swelling.

Eye
May be irritating to eyes. The symptoms may include redness, itching and tearing.

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
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

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

Ecotoxicity
The available ecological data is given below.

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 large amounts from entering waterways, drains and sewers .
This product is an A Class fire suppression and retarding liquid. The use of the product involves significant dilution with water (1: 150 to 1:1500). This product represents a low risk to the environment if it is used appropriately in a fire fighting scenario.

Acute Toxicity - Fish
LC50 (Bracbydanio 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

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

14. TRANSPORT INFORMATION

Transport Information
Not classified as Dangerous Goods by the criteria of the Department of Transport (DOT)
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Special Precautions for User
Not available

UN Number (Air Transport, ICAO)
None Allocated

IATA/ICAO Proper Shipping Name
Not dangerous for conveyance under IATA code

IATA/ICAO Hazard Class
None Allocated

IMDG UN No
None Allocated

IMDG Proper Shipping Name
Not dangerous for conveyance under IMO/IMDG code

IMDG Hazard Class
None Allocated

IMDG Marine pollutant
No

DOT UN NO
None Allocated

DOT Proper Shipping Name
Not dangerous for conveyance under DOT code

DOT Class
None Allocated

DOT Identification (DOT)

DOT Special Requirements (Special)

DOT Exceptions (Exceptions)

DOT Symbols (SymbolS)

DOT Non-Bulk Requirements (NON_BULK)

DOT Bulk Requirements (BULK)

DOT Max. Passgr. Air/Rail. (MAXAIR)

DOT Max. Cargo Only Air/Rail. (MAXCARGO)

DOT Stowage (Stowage)

DOT Other Requirements (OTHER)

Transport in Bulk
Not available

15. REGULATORY INFORMATION

Regulatory information
Not available

California Proposition 65
Not Listed

SARA (313) Chemicals
Not Listed

USA (TSCA)
Not established.

16. OTHER INFORMATION

Date of preparation or last revision of SDS
SDS Reviewed: May 2016, Supersedes: April 2011

References
ANSI Z400.1/Z129.1-2010. American National Standard for Hazardous Workplace Chemicals – Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
OSHA Table Z-1 Limits for Air Contaminants (June 30, 1993)(29 CFR 1910.1000)(1971 Permissible Exposure Limits (PELs))

END OF SDS