

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

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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 incompatibilities

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 (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

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.

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

IATA/ICAO Packing Group

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 Pack. Group

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 Packing Group

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

Special Precautions for User

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

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