BLAST

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 1/16/2024 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product name : BLAST
Product code : 1300139

1.2. Recommended use and restrictions on use

Recommended use : Carpet and upholstery emulsifier
Restrictions on use : Professional use only

1.3. Supplier

Project Clean Inc.
12 James St N, Suite 202
Hamilton, Ontario L8R 2J9
T 1 800 663 9925
regulatory@projectclean.com - www.projectclean.ca

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Canada	CHEMTREC Chemical Emergency	www.chemtrec.com	1 800 424 9300	24hr/day 7days/week within USA and Canada
Canada	CANUTEC Transportation Emergency	www.canutec.com	1 888 226 8832 *666 on a cell phone	24hr/day 7days/week within USA and Canada

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% w/w
1-Octanesulfonic acid, sodium salt	Sodium 1-octanesulfonate	CAS-No.: 5324-84-5	3 – 7
N,N-Bis(carboxymethyl)-DL-alanine, trisodium salt	Methyl glycine diacetic acid trisodium salt	CAS-No.: 164462-16-2	0.5 – 1.5

**The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.*

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Chronic symptoms : No effects known.
Expected Symptoms/Effects, Acute and Delayed : Non hazardous mixture.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

General measures : Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood. Clean up any spills as soon as possible, using an absorbent material to collect it.

6.1.1. For non-emergency personnel

Protective equipment : Gloves (EN 374). Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Emergency procedures : Ventilate spillage area. Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

Emergency procedures : Evacuate unnecessary personnel. Ventilate area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area.

Incompatible products : Strong oxidizing agents. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Skin and body protection:
Not required for normal conditions of use

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear, Colourless liquid.
Colour	:	Colourless
Odour	:	No added fragrance
Odour threshold	:	No data available
pH	:	9.5 – 10.5
Relative evaporation rate (butylacetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	Not self-igniting
Decomposition temperature	:	No data available
Upper and lower flammability or explosive limit	:	No data available Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available

Relative density	:	1.02 – 1.05
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	Thin like water
Explosive properties	:	Product is not explosive.
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).
Incompatible materials	:	Strong oxidizing agents. Strong acids.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	:	No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

N,N-Bis(carboxymethyl)-DL-alanine, trisodium salt (164462-16-2)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 4.25 mg/l Source: ECHA
ATE CA (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation : Not classified.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

1-Octanesulfonic acid, sodium salt (5324-84-5)	
NOAEL (oral, rat, 90 days)	> 430 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified
Likely routes of exposure : Skin and eyes contact. Inhalation. Ingestion.
Expected Symptoms/Effects, Acute and Delayed : Non hazardous mixture.
Chronic symptoms : No effects known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

BLAST	
Partition coefficient n-octanol/water (Log Pow)	No data available

N,N-Bis(carboxymethyl)-DL-alanine, trisodium salt (164462-16-2)	
EC50 96h - Algae [1]	> 0.63 mg/l Source: ECHA
Partition coefficient n-octanol/water (Log Pow)	-4 Source: ECHA

12.2. Persistence and degradability

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Persistence and degradability Contains readily biodegradable component(s).

1-Octanesulfonic acid, sodium salt (5324-84-5)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

BLAST

Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow) No data available

1-Octanesulfonic acid, sodium salt (5324-84-5)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

1-Octanesulfonic acid, sodium salt (5324-84-5)	
Partition coefficient n-octanol/water (Log Pow)	< -2.25 (Practical experience/observation, EU Method A.8: Partition Coefficient, 19.8 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	< 1.32 (log Koc, EU Method C.19, Experimental value)

N,N-Bis(carboxymethyl)-DL-alanine, trisodium salt (164462-16-2)	
Partition coefficient n-octanol/water (Log Pow)	-4 Source: ECHA

12.4. Mobility in soil

BLAST

Ecology - soil: No (test) data on mobility of the substance available.

Partition coefficient n-octanol/water (Log Pow): No data available

1-Octanesulfonic acid, sodium salt (5324-84-5)	
Mobility in soil	0.322 Source: Quantitative Structure Activity Relation
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	< 1.32 (log Koc, EU Method C.19, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	< -2.25 (Practical experience/observation, EU Method A.8: Partition Coefficient, 19.8 °C)

N,N-Bis(carboxymethyl)-DL-alanine, trisodium salt (164462-16-2)	
Partition coefficient n-octanol/water (Log Pow)	-4 Source: ECHA

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

Ecological information : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

14.3. Transport hazard class(es)

TDG
Transport hazard class(es) (TDG) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

1-Octanesulfonic acid, sodium salt (5324-84-5)
Listed on the Canadian DSL (Domestic Substances List)

N,N-Bis(carboxymethyl)-DL-alanine, trisodium salt (164462-16-2)	
Listed on the Canadian DSL (Domestic Substances List)	
Canada DSL NDSL Flags	Substance was manufactured or imported after July 1, 1994; Significant New Activity (SNAc) provisions of the Act apply

15.2. International regulations

1-Octanesulfonic acid, sodium salt (5324-84-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

N,N-Bis(carboxymethyl)-DL-alanine, trisodium salt (164462-16-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

SECTION 16: Other information

Issue date : 01/16/2024

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.
The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.