

ULTRA-BLAST

SECTION 1. IDENTIFICATION

| | |
|---|---|
| Product Identifier | ULTRA-BLAST |
| Other Means of Identification | Cleaner and biofilm disruptor |
| Other Identification | 7850 |
| Recommended Use | Cleaner and biofilm disruptor. |
| Restrictions on Use | For industrial and institutional use only. |
| Manufacturer/Supplier Identifier | Lalema inc., 11450 Sherbrooke Street East, Montreal East, Quebec, H1B 1C1, 514.645.2753, www.lalema.com |
| Emergency Phone No. | Quebec Poison Control Centre, 1.800.463.5060 Canutec, +1 613.996.6666, 24/7 |
| SDS No. | 00090047 |

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Serious eye damage - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

Causes serious eye damage.

Precautionary Statement(s):

Prevention:

Wear eye protection/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTRE or doctor.

Storage:

Store in a closed container.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|----------------------|---------------|
| Product Identifier: | ULTRA-BLAST |
| SDS No.: | 00090047 |
| Date of Preparation: | mars 06, 2017 |

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers |
|--|------------|-----------|-------------------|
| Alcohols, C6-12, ethoxylated | 68439-45-2 | 0.1 - 3.0 | |
| Alkyl ether carboxylic acid (+ Hexeth-4) | 53563-70-5 | 0.1 - 3.0 | |
| Propylene glycol monomethyl ether | 107-98-2 | 0.1 - 3.0 | |
| Propylene glycol n-propyl ether | 1569-01-3 | 0.1 - 3.0 | |
| Coconut dimethyl amine oxide | 61788-90-7 | 0.1 - 3.0 | |
| Sodium carbonate | 497-19-8 | 0.1 - 3.0 | |

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor.

Skin Contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.

Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion

Rinse mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Immediately call a Poison Centre or a doctor.

Most Important Symptoms and Effects, Acute and Delayed

Causes serious eye damage.

Immediate Medical Attention and Special Treatment

Target Organs

None known.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Dry chemical. Foam. Water fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

None known.

Carbon oxides.

Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and protective clothing.

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Flush spill area.

Other Information

Contact supplier, local fire and emergency services for help.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not swallow. Only use where there is adequate ventilation. Prevent accidental contact with incompatible chemicals.

Conditions for Safe Storage

Keep container tightly closed and in a well-ventilated place. Store away from heat and light.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Consult local authorities for provincial exposure limits.

Appropriate Engineering Controls

Showers, Eyewash stations and ventilation systems.

Individual Protection Measures

Eye/Face Protection

Avoid contact with eyes. Wear goggles and gloves.

Skin Protection

Wear suitable protective clothing.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|---|--|
| Appearance | Green liquid. |
| Odour | Citrus |
| Odour Threshold | Not available |
| pH | 10 - 11 |
| Melting Point/Freezing Point | Not available (melting); ~ 0 °C (freezing) |
| Initial Boiling Point/Range | ~ 100 °C |
| Flash Point | Not available |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not applicable |
| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |

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|---|--|
| Vapour Pressure | Not available |
| Vapour Density (air = 1) | Not available |
| Relative Density (water = 1) | 1.04 - 1.06 |
| Solubility | Soluble in water |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not applicable |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic); Not available (dynamic) |
| Other Information | |
| Physical State | Liquid |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Conditions to Avoid

High temperatures. Freezing.

Incompatible Materials

Strong acids (e.g. hydrochloric acid), metals (e.g. aluminum).

Hazardous Decomposition Products

Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|--|--|---------------------|-----------------------|
| Alcohols, C6-12, ethoxylated | Not available | > 5000 mg/kg (rat) | Not available |
| Alkyl ether carboxylic acid (+ Hexeth-4) | Not available | > 2 000 mg/kg (rat) | Not available |
| Propylene glycol monomethyl ether | > 25.8 mg/L (rat) (6-hour exposure) (vapour) | 4016 mg/kg (rat) | > 2000 mg/kg (rabbit) |
| Propylene glycol n-propyl ether | > 8.34 mg/L (rat) (4-hour exposure) (vapour) | > 2000 mg/kg (rat) | > 2000 mg/kg (rabbit) |
| Coconut dimethyl amine oxide | Not available | > 4656 mg/kg (rat) | Not available |
| Sodium carbonate | 2.3 mg/L (rat) | 2800 mg/kg (rat) | > 2000 mg/kg (rabbit) |

Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Irritation

Corrosive to eyes.

STOT (Specific Target Organ Toxicity) - Single Exposure

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Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

No information was located.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity**Development of Offspring**

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

No information was located for: STOT (Specific Target Organ Toxicity) - Single Exposure, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by WHMIS.

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SECTION 16. OTHER INFORMATION

SDS Prepared By Lalema inc. Laboratory

Date of Preparation mars 06, 2017

Date of Last Revision mars 06, 2017

Disclaimer The information herein cannot be reproduced without our written authorization. It is based on experiments and is from sources we believe reliable. Since the use of this product is beyond our control, our only obligation shall be to replace any quantity of product which is proven defective. We cannot assume any risk or liability for results obtained, nor can we accept damages in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of the product for any intended use shall be solely the responsibility of the user.

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