

SECTION 1 : IDENTIFICATION

Product Name: BIOMASS
Product Use: Dispersant

Supplier: Glengarry Solutions
Address: 33 Melford Drive, Unit 5,
Scarborough, Ontario. M1B 2G6

Phone: 416-757-1333
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Poison Control Centre 1-800-268-9017

SECTION 2 : HAZARD IDENTIFICATION**GHS Classification:**

Category 2B: Eye Irritation
Category 1: Skin Sensitization

Signal Word: **Warning**

Pictogram:

**Hazard Statements:**

H320: Causes eye irritation.
H317: May cause an allergic skin reaction.

Precautionary Statements:

P202: Do not handle until all safety precautions have been read and understood.
P234: Keep only in original container.
P261: Avoid breathing mist/vapours.
P264: Wash thoroughly after handling.
P280: Wear protective glove.

Response Statements:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P352 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+313 If skin irritation occurs, get medical advice/attention.
P337+313 If eye irritation persists, get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
P363: Wash contaminated clothing before reuse.

Storage: P405: Store locked up.

Disposal: P501: Dispose of container according to all applicable regulations.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	EC No.	CONCENTRATION (wt/wt)
Amides, tall-oil fatty, N,N-di-Me	68308-74-7		1.0 to 10.0
nitrilotrimethylenetris(phosphonic acid)	6419-19-8		0.1 to 1.0
citric acid	77-92-9		0.1 to 1.0
2-Propenoic acid, homopolymer, sodium salt	9003-04-7		0.1 to 1.0

SECTION 4 : FIRST AID MEASURES

- EYES:** Wash with copious amounts of water for at least 20 minutes keeping eyelids open. If irritation persists, repeat flushing. Get medical attention if irritation develops and persists.
- SKIN:** Immediately wash the affected areas with plenty of soap and water. If irritation persists, obtain medical attention.
- INHALATION:** Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms develops or persists.
- INGESTION:** Do not attempt to give anything by mouth to an unconscious person. If person is alert and not convulsing, rinse mouth out and give 1-2 glasses of water to dilute material and seek medical attention if feeling unwell. DO NOT INDUCE VOMITING.

Most important symptoms and effects, both acute and delayed

- Eye Contact:** Causes eye irritation. Adverse symptoms may include watering and redness.
- Inhalation:** No known significant effects or critical hazards.
- Skin contact:** May cause an allergic skin reaction. Adverse symptoms may include irritation and redness.
- Ingestion:** No known significant effects or critical hazards.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation.

General Information

If exposed or concerned, get medical advice/attention. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION 5 : FIRE FIGHTING MEASURES

- Flammability:** Not flammable.
- Suitable Extinguishing Media:** Use extinguishing media suitable for surrounding materials.
- Specific Hazards Arising from the Chemical:** None known.
- Special Protective Equipment and Precautions for Fire-fighters:**
Self contained breathing apparatus and protective clothing should be worn in fighting all fires involving chemicals.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin, eyes and inhalation of vapors.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and Materials for Containment and Cleaning Up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of according to local, provincial and federal regulations.

SECTION 7 : HANDLING AND STORAGE

Precautions for Safe Handling:

Do not handle until all safety precautions have been read and understood. Use normal good industrial hygiene and safety practices. Use recommended safety equipment when handling. Wash thoroughly after handling.

Conditions for Safe Storage:

Avoid storage at high temperatures and protect from freezing. Store away from incompatibles. Keep containers closed when not in use. Store locked up.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS	CAS NO.	AIHA WEEL	OSHA PEL	NIOSH
nitrioltrimethylenetris(phosphonic acid)	6419-19-8	TWA: 10 mg/m ³ 8 hours	Not Available	Not Available

Remarks:

Only those substances with limit values have been listed.

Legend

AIHA WEEL: American Industrial Hygiene Association, Workplace Environmental Exposure Levels

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Appropriate Engineering Controls:

Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures:

Eyes: Safety Glasses.

Skin: Chemical resistant gloves and appropriate protective clothing.

Respiratory: Approved NIOSH respiratory protection if TLV/PEL is exceeded or if over exposure is likely.

Work Hygienic Practices: Facilities storing or using this material should be equipped with emergency eyewash, and a safety shower. Good personal hygiene practices should always be followed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.
Colour:	Hazy to light yellow.
Odour :	Slight Oily.
Odour Threshold:	No information available.
pH:	8.5 to 9.5
Specific Gravity (water = 1) :	1.00 1.05
Melting point/Freezing point:	~0 °C
Boiling point:	~100°C
Flammability (solid,gas):	Not Applicable.
Upper Explosive Limit:	No information available.
Lower Explosive Limit:	No information available.
Flash Point:	>100°C closed cup
Auto-ignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.
Vapour Pressure :	No information available.
Vapour Density (air = 1) :	No information available.
Evaporation Rate :	No information available.
Solubility in Water :	Miscible.
Partition Coefficient n-Octanol/Water:	No information available.

SECTION 10 : STABILITY AND REACTIVITY

Reactivity:	Material is non reactive under normal conditions.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Contact with incompatible materials.
Incompatible Materials:	No Specific Data.
Hazardous Decomposition Products:	Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: carbon monoxide and dioxides, nitrogen, sulfur and phosphorous oxides.

SECTION 11 : TOXICOLOGICAL INFORMATION

Primary route of exposure:	Eye contact, skin contact, ingestion and inhalation.
Skin corrosion/irritation:	May cause irritation.
Serious eye damage/irritation:	Cause eye irritation. Mist may cause eye irritation.
Respiratory or skin sensitization:	May cause an allergic skin reaction.

Biomass

Germ cell mutagenicity: No information available.
Carcinogenicity: The ingredients of this product are not classified as carcinogens by ACGIH or IARC, not regulated as carcinogen by OSHA, and not listed as carcinogen by NTP.
Reproductive toxicity: No information available.
STOT-single exposure: No information available.
STOT-repeated exposure: No information available.
Aspiration hazard: No information available.

Component Acute Toxicity Information

COMPONENT	CAS No.	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Amides, tall-oil fatty, N,N-di-Me	68308-74-7	8000 mg/Kg (rabbit)	Not Available	Not available
nitrilotrimethylenetris(phosphonic acid)	6419-19-8	2100 mg/Kg (rat)	>6310 mg/Kg (Rabbit)	Not available
citric acid	77-92-9	3000 mg/Kg (rat)	Not available	Not available
2-Propenoic acid, homopolymer, sodium salt	9003-04-7	>8250 mg/Kg (Rat)	Not available	Not available

SECTION 12 : ECOLOGICAL INFORMATION

COMPONENT	CAS No.	Freshwater Algae	Freshwater Fish	Water Flea

Toxicity: No information available.
Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Mobility in soil: No information available.
Other adverse effects: No information available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste disposal of substance: Dispose of in accordance with national, state/provincial and regional regulations.
Container disposal: Dispose of in accordance with national, state/provincial and regional regulations.

SECTION 14 : TRANSPORT INFORMATION

T.D.G./D.O.T. Classification:

Shipping Name: Not Regulated
UN Number: Not Applicable **Class:** Not Applicable **Packing Group:** Not Applicable

SECTION 15 : REGULATORY INFORMATION

WHMIS Classification:



Class D2: Material Causing Other Toxic Effects

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation (HPR), Hazard

SECTION 16 : OTHER INFORMATION

Preparation Information:

Latest Revision Date: 26-Apr-2019 **Issue Date:** 15-Feb-2018
Version No. 1.01

Revision Notes: This document has been updated to comply with the Globally Harmonized System of Classification

Prepared By: Regulatory Affairs.

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