



SAFETY DATA SHEET

SDS NUMBER: 1000218532-19-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 05/22/19

BREAKER®
SUPERSEDES: 09/14/15

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL DAY OR NIGHT 1-800-561-8273 or
CHEMTREC – DAY OR NIGHT 1 800-424-9300**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER:

TRADE NAME: BREAKER®

1.2 RECOMMENDED USE: ANTI-FOAM

1.3 MANUFACTURED FOR AND DISTRIBUTED BY:

LOVELAND PRODUCTS CANADA, INC.

789 DONNYBROOK DRIVE • DORCHESTER, ONTARIO N0L 1G5

1.4 24 Hour Emergency Phone: (Chemtrec): 1-800-424-9300 (Toll Free) - Additional Emergency Phone 1-800-561-8273

Loveland Technical Service: 1-800-328-4678

U.S. Coast Guard National Response Center: 1-800-424-8802

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards	Not classified
Health hazards	Not classified
Environmental Hazards	Not classified

2.2 Label elements

Hazard symbol: None

Signal Word: NONE

Hazard Statements: This mixture does not meet the criteria for classification.

Precautionary Statements: (Prevention): Observe good industrial hygiene practices.

Precautionary Statement: (Response): Wash hands after handling.

Precautionary Statement: (Storage): Store away from incompatible materials. Store in a well-ventilated place. Keep contain tightly closed. Store locked up. Store in accordance with local/provincial/national regulations.

Precautionary Statement: (Disposal): Dispose of contents/container in accordance with all local/provincial/national regulations.

2.3 Other hazards

None known

Supplemental Information

32.77% of the mixture consists of component(s) of unknown acute oral toxicity. 37.97% of the mixture consists of component(s) of unknown acute dermal toxicity. 29.26% of the mixture consists of component(s) of unknown acute inhalation toxicity. 37.97% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 37.97% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.



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3. COMPOSITION, INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Propylene Glycol	57-55-6	1 - < 3
Other ingredients below reportable levels		90 - 100

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

If inhaled: Remove to fresh air. Call a physician if symptoms develop or persist.
If on skin: Wash with soap and water. Get medical attention if irritation develops or persists.
If in eyes: Rinse with water. Get medical attention if irritation develops or persists.
If swallowed: Rinse mouth. Get medical attention if symptoms occur.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms : Direct contact with eyes may cause temporary irritation.

4.3 Immediate Medical Attention and Special Treatment

Treatment : Treat symptomatically. Symptoms may be delayed.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273

Take container, label or product name with you when seeking medical attention.

NOTES TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use water fog, alcohol foam, dry chemical, or carbon dioxide extinguishing media.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: No unusual fire or explosion hazards are expected.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use alcohol-type or universal-type foam on larger fires. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: This product is miscible in water. The product is immiscible with water and will spread on the water surface. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.



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7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Avoid prolonged exposure. Observe good industrial hygiene practices.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in a tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS

ACGIH TLVs TWA

Components	Type	Value
No listings.		

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Specimen
No data		

8.2 EXPOSURE CONTROLS:

Engineering Measures

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.

Individual Protection Measures:

Eye / Face Protection: Chemical goggles or face shield are recommended.

Skin Protection: Wear protective gloves / protective clothing.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment. Wear air supplied respiratory protection. In the U.S.A., if respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 APPEARANCE : Creamy liquid
- ODOUR: Mild.
- ODOUR THRESHOLD: Not determined.
- COLOUR : White.
- pH : 4 – 7 (1% in 50:50 IPA:water solution)
- MELTING POINT / FREEZING POINT: -42.04 °C estimated
- BOILING POINT: 160.67 °C estimated
- FLASH POINT: > 100 °C (Pensky-Martens Closed Cup)
- FLAMMABILITY (solid, gas): No data available
- UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available
- VAPOUR PRESSURE: No data available
- SOLUBILITY: Dispersible
- PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available
- AUTO-IGNITION TEMPERATURE: 398.82 °C.
- DECOMPOSITION TEMPERATURE: Not determined
- VISCOSITY : No data available
- FLAMMABILITY CLASS: Combustible IIIB estimate
- SPECIFIC GRAVITY (Water = 1): 0.99 – 1.02 g/ml @ 25 °C
- DENSITY: 0.99 – 1.02 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable

10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

10.4 CONDITIONS TO AVOID

Contact with incompatible materials.

10.5 INCOMPATIBLE MATERIALS

Acids, bases, alkalis (organic).

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon. Formaldehyde.

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Eye contact, skin contact, inhalation.

LC₅₀ (rat): Prolonged contact may be harmful.

LD₅₀ Oral (rat): 30 g/kg (Propylene Glycol).

LD₅₀ Dermal (rabbit) No data available.

Skin Irritation (rabbit): No adverse effects are expected.

Eye Irritation (rabbit): Direct contact may cause temporary eye irritation.

Specific Target Organ Toxicity: No data available.

Aspiration: No data available.

Skin Sensitization (guinea pig): No data available.

Carcinogenicity: No data available.

Germ Cell Mutagenicity: No data available.

Interactive Effects: None known.

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

Not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ecotoxicological Data

Components

Species

Test Results

Propylene Glycol

Pimephales promelas

710 mg/L – 96-hour LC₅₀

Daphnia magna

> 10000 mg/L – 48-hour EC₅₀

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favour drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available

12.4 MOBILITY IN SOIL

No data available

12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Container is recyclable, and is to be disposed of at a container collection site. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: Triple or pressure-rinse the empty container, adding the rinsate to the spray tank. Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food, or feed by storage or disposal.



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14. TRANSPORT INFORMATION

14.1 LAND TRANSPORT

TDG/DOT Shipping Description: NOT REGULATED

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

NFPA

1	Health	0	Least
1	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

HMIS

1	Health
1	Flammability
0	Reactivity
B	PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire Y Sudden Release of Pressure N
 Delayed N Reactive N

CEPA – Domestic Substances List (DSL): All substances in this product are listed on the DSL or not required to be listed

Hazardous Products Act Information: CPR Compliance: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Classification: This product is exempt under WHMIS

National Fire Code of Canada: Not applicable.

16. OTHER INFORMATION

SDS STATUS: Format revised

PREPARED BY: Product Stewardship and Regulatory Affairs

REVIEWED BY: Safety, Health and Environment

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