

ChainBreaker Safety Data Sheet

Section 1: Identification

Product Name: ChainBreaker
Recommended use: \ t o h u
Format: O
Supplier Information: " o
8 h " u t u

Emergency Phone Number: CANUTEC 613-996-6666

Section 2: Hazard Identification

Classification of the Substance or Mixture

GHS Classification

Eye irritation – Category 2A

Label Elements

HEALTH	
FIRE	0
REACTIVITY	0



Hazard Symbols:

Signal Word: Warning

Hazard Statements

Physical Hazards: None.

Health Hazards:

H320: Causes eye irritation.

Environmental Hazards: None.

Precautionary Statements

Prevention:

P260: Do not breathe dust/fumes/gas/mist/vapors/spray.

P264: Wash hands thoroughly after handling.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P337+P313: IF eye irritation persists: Get medical advice/attention.

Storage and Disposal:

P501: Dispose of contents/container in accordance with local/regional/federal/international regulations.

Section 3: Ingredient Composition and Information

Hazardous Materials:

Chemical Name	CAS No	Weight-%
1,2-BENZISOTHIAZOLIN-3-ONE	2634-33-5	<1%
WATER	7732-18-5	Up to 1kg
COCOAMIDOPROPYL BETAINE	61789-40-0	1-5%
ZINC RICINOLEATE	13040-19-2	3-6%
SODIUM HEXYLGLUCOSIDES. HYDROXYPROPYL PHOSPHATE	1417861-94-9	5-10%

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: First-Aid Measures

Description of First-Aid Measures

Inhalation:	Remove to fresh air. Seek medical attention if symptoms occur.
Skin Contact:	Wash affected area with plenty of soap and water for at least 15 minutes. Remove contaminated clothing/footwear. Get medical attention if irritation persists. Wash clothing before reuse.
Eye Contact:	Rinse eyes with plenty of water, making sure to get under the upper and lower eyelids. If applicable, remove contact lenses after 5 minutes and continue to flush eye after removal. Get medical attention immediately if irritation persists.
Ingestion:	DO NOT induce vomiting. Dilute with plenty of water or milk. Never give anything by mouth to a convulsing or unconscious patient. Get medical attention immediately.
Symptoms and Effects, both Acute and Delayed:	Refer to "Section 11: Toxicological Information".
Immediate Medical Attention/Special Treatments:	If medical advice is needed, have product container or label at hand. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Flammable Properties: Non-flammable.**Suitable Extinguishing Media:** Dry chemical or carbon dioxide, foam or water.**Special Hazards arising from the Substance or Mixture:** None known.**Precautions for Fire-Fighters:** Exercise caution when fighting any chemical fire. Firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing, including respiratory protection.**Section 6: Accidental Release Measures**

Personal Precautions, Protective Equipment, and Emergency Procedures

- General Measures:** Equip clean-up crew with proper protection. Ensure the area is well ventilated and use appropriate respiratory protection if it isn't. Evacuate unnecessary personnel.
- Protective Equipment:** Always use appropriate personal protective equipment (PPE). Do not touch and avoid walking through spilled material. Do not touch damaged containers unless equipped with PPE.
- Emergency Procedures:** As an immediate precautionary measure, isolate spill or leak if it can be done safely. Eliminate all ignition sources (Smoking, flares, sparks, or flames). Ventilate closed areas before entering. If outdoors, stay upwind.
- Environmental Precautions:** Avoid run off and prevent entry to waterways, sewers, and public waters. Dispose of waste in accordance with local, regional, national, and/or international regulations.
- Containment & Clean-up Measures:** Clean up spill immediately and dispose of waste safely. Stop leak and isolate spill if it can be done safely. For more information on safe disposal, please refer to "Section 13: Disposal Information".

Section 7: Handling and Storage

- Precautions for Safe Handling:** Before use carefully read the product label. Always handle empty containers with care as they may retain residual product. Ensure ventilation is adequate when using this product. Handle in accordance with good industrial hygiene and safety procedures. Wash hands or other exposed areas thoroughly with soap and water before eating, drinking, or smoking and again when leaving work.
- Conditions for Safe Storage:** Ensure containers are properly labelled and protected from physical damage when not in use. Check regularly for leaks or spills. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from combustible substances and away from heated areas, sparks and flame.
- Storage Incompatibilities:** Store away from children, food items, and potable water. Store in an area out of direct sunlight. Avoid storing in a damp environment.

Section 8: Exposure Controls and Personal Protection

Control Parameters:

Exposure Limits/Guidelines					
Substance	Results	Canada (Ontario)	ACGIH	NIOSH	OSHA
ChainBreaker	STEL	NDA	NDA	NDA	NDA
	TWA (PEL)	NDA	NDA	NDA	NDA

Exposure Controls

- Engineering Measures/Controls:** Use adequate ventilation to control the concentration of airborne contaminants and ensure it stays below the applicable exposure limit values. Gas detectors should be used when gases or vapors are released. Ensure all local/national regulations are met.
- Individual Protection Measures:** Use proper protective equipment. Wear safety goggles and protective gloves when handling this product. Avoid dermal exposure. In case of insufficient ventilation, or if exposure limits are exceeded or symptoms are experienced, use a NIOSH/MSHA approved respirator. Always handle product in accordance with good industrial hygiene and safety practice.

Key to Abbreviations:

NIOSH: National Institute of Occupational Safety and Health
MSHA: Mine Safety and Health Administration

Section 9: Physical and Chemical Properties

Material Description			
Appearance	Liquid	Flammability	Non-Flammable
Odor	Various	Explosive Limits	Not an explosive
Odor Threshold	No data available	Vapor Pressure	2.92 kPa @ 20 °C
pH	7.5	Vapor Density	0.62 (air = 1)
Melting Point	< 0 °C	Bulk Density	Not established
Freezing Point	Not applicable	Solubility	Completely soluble
Initial Boiling Point	> 100 °C	Partition Coefficient	No data available
Boiling range	> 100 °C	Auto-Ignition Temperature	No data available
Flash Point	Not flammable	Decomposition Temperature	No data available
Evaporation Rate	> 1.00 (water = 1)	Dynamic Viscosity	water-thin
Specific Gravity	1.004	Kinematic Viscosity	Not applicable
VOC Content (%)	0.2	Oxidizing Properties	None

Section 10: Stability and Reactivity

Reactivity Data:

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known. Hazardous polymerization will not occur.

Hazardous Decomposition Products: None known.

Conditions to avoid: Store out of direct sunlight.

Incompatible Materials: Strong acid or alkali compounds may inactivate biological cultures.

Section 11: Toxicological Information

Acute toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information

Eye Contact

Contact with eyes may cause irritation

Skin Contact

No known effect based on information supplied Prolonged or repeated contact may dry skin and cause irritation

Ingestion

Intentional ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Chronic toxicity

Target Organ Effects

None known

Section 12: Ecological Information

Ecotoxicity: Minimal impact under normal conditions. The carriers are naturally occurring materials.

Persistence and Degradability:

Soil: Product is biodegradable

Water: Disperses in water.

Bio accumulative Potential: Not likely.

Mobility in the Soil: No data available.

Other adverse Effects: None known.

Section 13: Disposal Information

Contaminated Packaging: Dispose of in accordance with federal, state and local regulations. Recover or recycle if possible.

Section 14: Transport Information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO (air)	Not regulated
IATA	Not regulated
IMDG	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

Section 15: Regulatory Information

Safety, Health, and Environmental Regulations:

International Inventories:

TSCA	Applied
PICCS	Applied
KECL	Applied
ENCS	Applied
CHINA	Applied
AICS	Applied
DSL / NDSL	Applied

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class: Not classified (Non-Hazmat)

Inventory Legend:

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AICS:	Australian Inventory of Chemical Substances
TSCA:	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL:	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS:	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS:	Japan Existing and New Chemical Substances
IECSC:	China Inventory of Existing Chemical Substances
KECL:	Korean Existing and Evaluated Chemical Substances
PICCS:	Philippines Inventory of Chemicals and Chemical Substances

The information contained in this data sheet does not constitute an assessment of workplace risks.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: Other Information

The product formulation contains a range of naturally occurring microorganisms which are known to be non-pathogenic to man or animals. This product has been shown to be free of Salmonella and Shingella using procedures outlined by AOAC and the USDA. The information contained in this form is based on data from sources considered technically reliable and has been provided in good faith in accordance with the available material. It is provided as a service to the persons using the product, but conditions of use and handling may involve other and additional consideration beyond our control.

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