



BRODI SPECIALTY PRODUCTS LTD.
3175 14th Avenue, Unit 1
Markham, Ontario, L3R 0H1
Canada
1-877-744-0751

PRODUCT: BRO-Treet

CODE: 4344

SECTION 01: IDENTIFICATION

Supplier identifier..... BRODI SPECIALTY PRODUCTS LTD.
3175 14th Avenue, Unit 1
Markham, Ontario
Canada
L3R 0H1
1-877-744-0751

Product identifier..... BRO-Treet

Product code..... 4344

Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).

Product use..... Drain cleaner.

SECTION 02: HAZARD IDENTIFICATION



Hazard classification..... Eye Irritation — Category 2A.

Signal word..... WARNING.

Hazard statement..... H319 Causes serious eye irritation.

Precautionary statements..... P264 Wash hands thoroughly after handling. P280 Wear eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards..... A rag or cloth soaked in the product that is not washed immediately or not properly disposed may create fire condition caused by spontaneous combustion.

Supplemental Information..... Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

Comments..... This classification is based on information in Safety Data Sheets of raw materials suppliers.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Alcohols, C9-11, ethoxylated	68439-46-3	5-10
Non-hazardous and other ingredients below reportable level	not available	80-100

<The exact concentration of composition has been withheld as a trade secret>

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... No Exposure expected under normal use. If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

Skin contact..... Promptly wash skin thoroughly with soap and water and rinse for 15 minutes. Remove contaminated clothing and laundry before reuse. If irritation develops, get medical aid.

Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Most important symptoms and effects, both acute and delayed..... The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical attention and special treatment.... If you feel unwell, seek medical attention. If possible, show this SDS to doctor in attendance. No hazards which require special first aid measures.

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SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media.....	Use an extinguishing agent suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
Hazardous combustion products.....	Carbon monoxide, carbon dioxide, hydrocarbons.
Special protective equipment and precautions.....	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Move containers from fire area if this can be done without risk. Cool closed containers exposed to fire with water spray. A used rag that is not washed right away or not disposed of properly may create the conditions for a fire caused by spontaneous combustion.
Sensitivity to static discharge.....	Product is not sensitive to static discharge.
Sensitivity to mechanical impact.....	Product is not sensitive to mechanical impact.
Further information.....	In a fire or if heated, a pressure increase will occur and the container may burst. Cool closed containers exposed to fire with water spray. During fire, gases hazardous to health may be formed.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.....	Use personal protective clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions.....	Stop leak and contain spill.
Methods and materials for containment and cleaning up.....	Absorb in vermiculite, dry sand or earth and place into container. Contaminated absorbent material may pose the same hazards as the spilled product. Dispose of absorbed material in accordance with regulations.

SECTION 07: HANDLING AND STORAGE

Handling precautions.....	Avoid contact with skin and eyes. Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product.
Storage needs.....	Keep containers tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition.
Materials to avoid.....	Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Alcohols, C9-11, ethoxylated	not available	not available	not available	not available	not available
Non-hazardous and other ingredients below reportable level	not available	not available	not available	not available	not available
Engineering controls.....	No special ventilation requirements.				
Individual protection measures					
Eye/type.....	Safety glasses with side-shields.				
Gloves/type.....	Wear chemical resistant protective gloves.				
Respiratory/type.....	Generally not required. Wear respiratory protection if ventilation is inadequate.				
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Wear clean long legged, long sleeved work clothes. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	liquid.
Color.....	yellowish.
Odour.....	mild.
Odour threshold.....	not available.
pH.....	not applicable.
Melting point (°C).....	not applicable.
Freezing point (°C).....	not available.
Initial boiling point (°C).....	not available.
Flash point (°C), Method.....	>100°C, closed cup.
Evaporation rate.....	not available.
Upper flammability limit (% vol).....	not available.
Lower flammability limit (% vol).....	not available.
Vapour pressure (mm Hg).....	not available.
Vapour density (air=1).....	not available.
Relative density/Specific Gravity.....	0.9-0.97.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Water solubility..... insoluble.
 Solubility in other solvents..... not available.
 Partition coefficient — n-octanol/water..... not available.
 Auto ignition temperature (°C)..... > 200 °C.
 Thermal decomposition temperature..... not available.
 Viscosity..... thin liquid.

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... No hazardous reactions if stored and handled as prescribed/indicated.
 Chemical stability..... The product is stable if stored and handled as prescribed/indicated.
 Possibility of hazardous reactions..... No data available.
 Conditions to avoid..... Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals.
 Incompatible materials..... Strong oxidizing agents.
 Hazardous decomposition products..... No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Alcohols, C9-11, ethoxylated	not available	>2,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Non-hazardous and other ingredients below reportable level	not available	not available
Routes of exposure		
Inhalation.....	None expected under normal use. Inhalation of spray or mist may cause irritation of the respiratory tract.	
Ingestion.....	Ingestion of this product may cause nausea, vomiting and diarrhea.	
Skin contact.....	Prolonged or repeated contact may dry skin and cause irritation.	
Eye contact.....	Contact may cause eyes irritation.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.	
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Virtually nontoxic by inhalation. Method: calculation method.	
Skin corrosion/irritation.....	Result: non-irritant.	
Serious eye damage/eye irritation.....	Result: Serious eye irritation.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) repeated exposure	No known significant effects or critical hazards.	
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Not expected to be harmful to aquatic organisms.
 Persistence and degradability..... The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
 Bioaccumulative potential..... No data available.
 Mobility in soil..... No data available.
 Other adverse effects..... No applicable information available.

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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

Waste disposal of substance..... Dispose of in accordance with national, state and local regulations.
Container disposal Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification..... Not classified as a dangerous good under transport regulations.

SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status..... This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.

SECTION 16: OTHER INFORMATION

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

Prepared by: CanChem Consultant
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