

SAFETY DATA SHEET

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

PRODUCT: HDJ 925**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..... HDJ 925

Product code..... BRODI7290

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

Product use..... Drain disinfectant, deodorizer, odour suppressant and cleaner.

SECTION 02: HAZARD IDENTIFICATION

Hazard classification..... Serious Eye Damage — Category 1. Skin Corrosion — Category 1. Skin Sensitizer — Category 1.

Signal word..... DANGER.

Hazard statement..... H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.

Precautionary statements..... P260 Do not breathe mist/vapours/spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P272 Contaminated work clothing should not be allowed out of the workplace. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P363 Wash contaminated clothing before reuse. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 Immediately call a POISON CENTER or doctor/physician. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards..... None.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	13-15
Alcohols, C12-15, ethoxylated	68131-39-5	4-4.5
Ethanol	64-17-5	1.8-2.6
Fragrance	not available	0.5-1
2-Bromo-2-nitropropane-1,3-diol	52-51-7	0.5-1

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. . Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Skin contact..... Wash affected area immediately with water for 15 minutes. Remove contaminated clothing and wash before reuse. Consult a physician. .

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 aid.

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..... Ensure that medical personnel are aware of the material(s) involved.

PRODUCT: HDJ 925**SECTION 05: FIRE-FIGHTING MEASURES**

Extinguishing media.....	Use an extinguishing agent suitable for the surrounding fire.
Hazardous combustion products.....	Carbon oxides. Sodium oxides. Chlorine, Hydrogen chloride gas. Nitrogen oxides (NOx). Harmful vapours. The substances/groups of substances mentioned can be released in case of fire.
Special protective equipment and precautions	Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
Sensitivity to static discharge.....	Product is not sensitive to static discharge.
Sensitivity to mechanical impact.....	Product is not sensitive to mechanical impact.
Further information.....	During fire, gases hazardous to health may be formed.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area. Keep people away from and upwind of spil/leak. Restrict access to area until completion of clean-up.
Environmental precautions.....	Do not allow material to contaminate ground water system. . If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. .
Methods and materials for containment and cleaning up	Ensure adequate ventilation. Cover spill area with suitable absorbent material (e.g., sand, earth, sawdust, vermiculite, Oil-Dri, Kitty Litter, etc.). Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly. Contaminated absorbent material may pose the same hazards as the spilled product. . For large amounts: Pump off product. Notify the appropriate authorities as required.

SECTION 07: HANDLING AND STORAGE

Handling precautions.....	Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. . Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed. .
Storage needs.....	Keep in a dry, cool and well-ventilated place. Keep containers tightly closed when not in use.
Materials to avoid.....	Do not mix with other chemicals or cleaners. Keep away from strong acids. Keep away from strong bases. Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Alkyl dimethyl benzyl ammonium chloride (C12-16)	not available	not available	not available	not available	not available
Alcohols, C12-15, ethoxylated	not available	not available	not available	not available	not available
Ethanol	not available	1000 ppm	1000 ppm	not available	1000 ppm
Fragrance	not available	not available	not available	not available	not available
2-Bromo-2-nitropropane-1,3-diol	not available	not available	not available	not available	not available
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used. .				
Individual protection measures					
Eye/type.....	Safety glasses with side-shields. Wear face shield if splashing hazard exists.				
Gloves/ type.....	Wear chemical resistant protective gloves.				
Respiratory/type.....	Generally not required. Wear respiratory protection if ventilation is inadequate.				
Clothing/type.....	Wear clean long legged, long sleeved work clothes.				
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	liquid.
Color.....	red.
Odour.....	pleasant.
Odour threshold.....	no data available.
pH.....	6-8.
Melting point (°C).....	not applicable.
Freezing point (°C).....	0.

PRODUCT: HDJ 925**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Initial boiling point (°C).....	100.
Flash point (°C), Method.....	>100°C, closed cup.
Evaporation rate.....	no data available.
Upper flammability limit (% vol).....	no data available.
Lower flammability limit (% vol).....	no data available.
Vapour pressure (mm Hg).....	17.5.
Vapour density (air=1).....	> 1.
Relative density/Specific Gravity.	1.0.
Water solubility.....	soluble.
Solubility in other solvents.....	no data available.
Partition coefficient — n-octanol/water.....	no data available.
Auto ignition temperature (°C).....	> 200 °C.
Thermal decomposition temperature.....	no data 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 hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to avoid.....	Do not mix with anything but water. .
Incompatible materials.....	Acids, strong oxidizing agents.
Hazardous decomposition products.....	No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Alkyl dimethyl benzyl ammonium chloride (C12-16)	0.5-2 mg/l (Inhalation-rat, 4H)	344 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Alcohols, C12-15, ethoxylated	not available	1,650-2,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Ethanol	124.7 mg/l (inhalation-rat, 4H)	10,470 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Fragrance	not available	not available
2-Bromo-2-nitropropane-1,3-diol	not available	180 mg/kg (oral-rat)
Routes of exposure		
Inhalation.....	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.	
Ingestion.....	Ingestion may cause pain, irritation and burns in the mouth, throat and stomach.	
Skin contact.....	Skin contact causes irritation and possible burns. May cause skin sensitization or other allergic responses.	
Eye contact.....	Eye contact may cause severe burns and permanent corneal injury. May be followed by blindness.	
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. Virtually nontoxic by inhalation. Method: calculation method.	
Skin corrosion/irritation.....	Result: Skin corrosion.	
Serious eye damage/eye irritation.....	Result: Corrosive to eyes.	
Respiratory or skin sensitisation.....	Assessment of sensitization: Contains a known or suspected skin sensitizer.	
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.	

PRODUCT: HDJ 925

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. .

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..... Very toxic to aquatic life with long lasting effects.

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..... UN1903, Disinfectant, corrosive, liquid, n.o.s. (Quaternary ammonium compounds), Class 8, PG III.

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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