

PRODUCT: D-3

CODE: D-3.

SECTION 01: IDENTIFICATION

Supplier identifier..... Chandler Sales
 PO Box 431, Stn Main
 Saint John, NB, E2L 4L9
 Canada
 (506) 658-8000

Product identifier..... D-3
 Product code..... D-3.
 Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).
 Product use..... Cleaner disinfectant.

SECTION 02: HAZARD IDENTIFICATION



Hazard classification..... Acute Toxicity (Inhalation) — Category 3. Skin Corrosion — Category 1. Serious Eye Damage — Category 1.

Signal word..... DANGER.

Hazard statement..... H331 Toxic if inhaled. H314 Causes severe skin burns and eye damage.

Precautionary statements Prevention..... P260 Do not breathe mist, vapours or spray. P271 Use only outdoors or in a well-ventilated area. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response..... 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. P321 Specific treatment (see First Aid Measures on this Safety Data Sheet). P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage..... P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

Disposal..... P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards..... None.

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.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	4-5
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	4-5
Alcohols, C12-15, ethoxylated	68131-39-5	2-3
Tetrasodium ethylenediamine tetraacetate	64-02-8	1-2

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention or call poison control immediately. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

PRODUCT: D-3**SECTION 04: FIRST-AID MEASURES**

Skin contact.....	Promptly wash skin thoroughly with soap and water and rinse for 15 minutes. Remove contaminated clothing and launder before reuse. 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. Chemical burns must be treated promptly by a physician. Get medical attention immediately. Call a poison center or physician.
Medical attention and special treatment.....	Treat symptomatically. Symptoms may be delayed. Corrosive to the eyes and may cause severe damage including blindness. Causes burns .
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.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media.....	Foam, Carbon dioxide (CO2), Dry chemical.
Hazardous combustion products.....	The substances/groups of substances mentioned can be released in case of fire.: Carbon oxides. Chlorine, Hydrogen chloride gas. Sodium oxides. Harmful vapours. Nitrogen oxides (NOx).
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. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Use water spray to keep fire-exposed containers cool. Containers may explode when heated .
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. In a fire or if heated, a pressure increase will occur and the container may burst.

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.
Environmental precautions.....	Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazards as the spilled product . For large amounts: Pump off product.

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 . Empty containers retain product residue and can be hazardous. Do not reuse container.
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 oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	no data available	no data available	no data available	no data available	no data available
Alkyl dimethyl benzyl ammonium chloride (C12-18)	no data available	no data available	no data available	no data available	no data available
Alcohols, C12-15, ethoxylated	not available	not available	not available	not available	not available
Tetrasodium ethylenediamine tetraacetate	not available	not available	not available	not available	not available

PRODUCT: D-3**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used . Emergency showers and eye wash stations should be available.
Individual protection measures	
Eye/type.....	Wear ANSI approved safety glasses with side shields or safety goggles. 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.
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Wear clean long legged, long sleeved work clothes. 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.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	liquid.
Color.....	blue.
Odour.....	fresh.
Odour threshold.....	no data available.
pH.....	6-7.
Melting point (°C).....	not applicable.
Freezing point (°C).....	< 0.
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.....	1.01.
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, anionic surfactants.
Hazardous decomposition products.....	May include and are not limited to: hydrogen chloride, chlorine gas, oxides of nitrogen, ammonia, sodium dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	0.054-0.51 mg/l mist (Inhalation-rat, 4h)	275 mg/kg (oral - rat); >2,000 mg/kg (dermal-rabbit)
Alkyl dimethyl benzyl ammonium chloride (C12-18)	0.054-0.51 mg/l mist (Inhalation-rat, 4h)	275 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)
Tetrasodium ethylenediamine tetraacetate	not available	3,030 mg/kg (oral - rat); > 5,000 mg/kg (dermal - rabbit)
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.	
Eye contact.....	Contact can cause burns, severe corneal damage and permanent loss of vision.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	

PRODUCT: D-3**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.
Acute inhalation toxicity.....	>0.5 and <= 1 mg/l mists. Method: calculation method. Toxic if inhaled.
Skin corrosion/irritation.....	Result: Skin corrosion.
Serious eye damage/eye irritation.....	Result: Corrosive to eyes.
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.....	May cause long-term adverse effects in the aquatic 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.
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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.
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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
Preparation date.....	AUG 08/2017