CONTRACT PACKAGING
DISTRIBUTION INC
155 BETHRIDGE RD
ETOBICOKE ON. M9W 1N4
CANADA
416-746-4226

PRODUCT: STERISAN **CODE: Q4049**

SECTION 01: IDENTIFICATION

Supplier identifier..... Contract Packaging Distribution
155 Bethridge Rd
Etobicoke ON. M9W 1N4
Canada
(866) 488-2788
Product identifier..... STERISAN
Product code..... Q4049
Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).
Product use..... Sanitizer.

SECTION 02: HAZARD IDENTIFICATION

According to Hazardous Products Regulations (HPR) (SOR/2015-17)
Product AS SOLD
Hazard classification..... Acute Toxicity (Inhalation: mist) Category 4. Skin Corrosion — Category 1. Serious Eye Damage — Category 1.
Signal word..... DANGER.
Hazard statement..... H332 Harmful if inhaled. H314 Causes severe skin burns and eye damage.
Precautionary statements..... P260 Do not breathe mist/vapours/spray. P264 Wash exposed skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P271 Use only outdoors or in a well-ventilated area. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

Product AT USE DILUTION
Hazard classification..... None.
Signal word..... None.
Hazard statement..... None.
Precautionary statements..... None.
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

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	1-5
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	1-5

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

SECTION 04: FIRST-AID MEASURES

Routes of exposure
Product AS SOLD
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. Get medical aid as soon as possible. Remove to fresh air. If irritation persists, consult a physician.

SECTION 04: FIRST-AID MEASURES

Ingestion	Rinse mouth and then drink plenty of water. Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. 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 launder before reuse. Get medical aid. Remove contaminated clothing. Wash thoroughly with soap and water.
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 immediately. Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists, consult a physician.
Product AT USE DILUTION	
Inhalation	Remove to fresh air. If irritation persists, consult a physician.
Ingestion	Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Skin contact	Remove contaminated clothing. Wash thoroughly with soap and water.
Eye contact	Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists, consult a physician.
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	Carbon oxides. Chlorine, Hydrogen chloride gas. Sodium oxides. Harmful vapours. Nitrogen oxides (NOx). 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	Not applicable.

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. Contaminated absorbent material may pose the same hazards as the spilled 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	Keep away from strong acids. Keep away from strong bases. Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL PEL	OSHA PEL STEL	NIOSH REL
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

Engineering controls	Good general ventilation (typically 10 air changes per hour) should be used . Emergency showers and eye wash stations should be available.

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid.
Color	red.
Odour	citrus.
Odour threshold	
pH	6.5-8.5.
Melting point (ºC)	not applicable.
Freezing point (ºC)	< 0.
Initial boiling point (ºC)	100.
Flash point (ºC), 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)	17.5.
Vapour density (air=1)	> 1.
Relative density/Specific Gravity	1.0.
Water solubility	soluble.
Solubility in other solvents	not available.
Partition coefficient — n-octanol/water	not available.
Auto ignition temperature (ºC)	> 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 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)

Routes of exposure

Inhalation	May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.
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.
Acute dermal toxicity	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.
Acute inhalation toxicity	>1.0 and < 5 mg/l mist. Exposure time: 4 h. Harmful if inhaled. Method: calculation method.
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

SECTION 11: TOXICOLOGICAL INFORMATION

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.

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
Preparation date.....	FEB 18/2021