

SAFETY DATA SHEET

SteriKleen

Section 1: IDENTIFICATION

Product Identifier	SteriKleen
Other means of Identification	Liquid
Product Family	Disinfectant Cleaner
Recommended use	QUAT DISINFECTANT CLEANER FOR HARD SURFACES DIN # 02500787
Restrictions on Use	For Industrial Use Only KEEP AWAY FROM CHILDREN

Manufactured for: InTech Environmental Canada Corp
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Emergency Product Information:

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TRANSPORTATION EMERGENCIES:

Canada – Canutec +1 613 996 6666 Collect

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USA – CHEMTREC +1 800 424 9300

SDS Preparation Date: 19 June 2020 Product #: SK series, SDS #1602

Section 2: HAZARD IDENTIFICATION

Classification

Skin irritation – Category 1; Serious eye damage – Category 1; Specific target organ toxicity (single exposure) -Category 3

Label Elements



Danger

May cause moderate to severe irritation or burns to eyes and skin
May cause respiratory irritation

Prevention

Use only in well ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/fumes/gas/mist/vapours/spray.

Wear NIOSH approved air-purifying respirator with organic vapour cartridge and a particulate N95, R95, or P95 filter if mists/vapours/fumes are present.



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Wash hands and skin thoroughly after handling

Response

IF ON SKIN: Wash with plenty of water for 30 minutes.

If skin irritation occurs: Seek medical advice/attention

IF IN EYES: Flush continuously with water for a minimum of 30 minutes, remove contact lenses if present and easy to do

Storage

Store in cool dry place away from incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing. Keep temperatures > 4° C and < 30° C

Disposal

Dispose of contents and containers in compliance with local, regional, national, and international regulations

Other Hazards

Repeated exposure may cause skin dryness or cracking

Section 3: - INGREDIENTS AND HAZARD IDENTIFICATION

Chemical Name	CAS No	%	Other Identifiers	Other Names
1- Decanminium,N, N-dimethyl-N-octyl-, chloride	32426-11-2	.5-5	Not applicable	
Quaternary ammonium compounds,benzyl-C12-C16-alkyldimethyl,chlorides	68424-85-1	.5-5	Not applicable	
Poly(oxy-1,2-ethanediyl)-alpha-(4-nonylphenyl)-omega-hydroxy-,branched	127087-87-0	.5-5	Not applicable	

Notes

Concentrations are expressed in % weight/weight

Section 4:- FIRST-AID MEASURES

First aid Measures

Inhalation

Move victim to fresh air. Apply artificial ventilation if necessary. Get medical advice if you feel unwell or are concerned

Skin Contact

Immediately rinse skin with lukewarm, gently flowing water for at least 30 minutes. If irritation occurs, get medical advice or attention.

Eye Contact

Immediately rinse contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes while holding eyelids open. If eye irritation persists, get medical advice or attention.

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Ingestion

Give large amounts of water if conscious. Do not induce vomiting. Get medical attention if you feel unwell or are concerned

Most Important Symptoms and Effects Acute, and Delayed

At high concentrations

If on skin: may burn the skin. Permanent scarring may result. If in eyes: may cause serious eye damage. May irritate or burn eyes. Permanent damage including blindness may result. If inhaled: can irritate nose and throat. Symptoms may include coughing, shortness of breath, difficult breathing, and tightness in the chest.

Immediate Medical Attention and Special Treatments

Target Organs

Skin, eyes, respiratory system.

Special Instructions

Not applicable

Medical Conditions Aggravated by Exposure

Asthma, dermatitis

Section 5: - FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media

Suitable Extinguishing Media:

Product not combustible Use agent appropriate for surrounding fire.

Unsuitable Extinguishing Media:

None Known

Specific Hazards Arising from Product

Not sensitive to static discharge

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide; carbon dioxide; corrosive, oxidising nitrogen oxides; corrosive hydrogen chloride. Other toxic vapours.

Special Fire Fighting Equipment and Procedures:

Use appropriate NFPA / OSHA PPE (SCBA, Bunker Gear or Chemical Splash Suit as required).

Use water spray to cool exposures

Unusual Fire and Explosion Hazards:

None

Section 6: - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

Concentrated product: Best practices is to prevent release into environment

Methods and Materials for Containment and Clean Up

Review Section 7 (Handling) of this safety data sheet prior to proceeding.



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Large spills or Leaks:

Dike spilled product to prevent run off. Recover product by pump or vacuum into appropriate container

Small spills or leaks

Stop or reduce leak if safe to do so. Contain and soak up spill with inert absorbent material such as spill pads, sand, or floor dry compound. Place recovered materials in appropriate container labeled for proper disposal. Reuse of product is possible, or otherwise disposal in accordance with regulations.

Other information

Contact supplier, local fire and emergency service for help. Report spills to local, provincial (state), and federal environmental and safety authorities as required

SECTION 7: -HANDLING AND STORAGE

Precautions for Safe Handling

KEEP OUT OF REACH OF CHILDREN. READ LABEL ON CONTAINER BEFORE USE

Use good hygiene practices. Avoid breathing product, avoid skin and eye contact and practice good hand washing. Use only in well ventilated areas. Wear appropriate PPE when using to avoid unintentional contact with product. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated skin contact. Avoid generation of mist or vapours

Conditions for Safe Storage

Store in an area that is:

Cool, ventilated, and separate from incompatible materials (see Section 10: Stability and Reactivity)

Keep temperatures $> 4^{\circ}\text{C}$ and $< 30^{\circ}\text{C}$. Empty containers may contain hazardous residue.

Store separately. Keep closed. Follow all precautions given on this safety data sheet.

Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8:- EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not Available

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation not adequate to control amount in air. Provide eyewash and safety shower if contact or splash risk exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: butyl rubber, natural rubber.

Respiratory protection

Not normally required if product is used as directed. However, wear NIOSH approved air-purifying respirator with an organic vapour cartridge and a particulate N95, R95, or P95 filter if mist/vapour/fumes are present.

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SECTION 9:- PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and chemical properties

Appearance	Clear Liquid	
Odour Threshold	Not Available	
pH	12.5-13.5 (100 % solution)	
Melting/Freezing Point	Not Available (melting)	Not Available (freezing)
Initial Boiling Point/ Range	Not Available	
Flash Point	Not Applicable	
Evaporation Rate	Not Available	
Flammability (solid, gas)	Not Applicable	
Flammability Range	Not Applicable (l _{el})	Not Applicable (u _{el})
Vapour Pressure	Not Available	
Vapour Density (air = 1)	Not Available	
Relative Density (water = 1)	1.01 @ 20° C	
Solubility	Soluble in water; Not available (other liquids)	
Partition Coefficient, n Octanol/Water (Log Kow)	Not Available	
Auto-ignition Temperature	Not Available	
Decomposition Temperature	Not Available	
Viscosity	Not Available (kinematic)	Not Available (dynamic)

SECTION 10:- STABILITY AND REACTIVITY

Reactivity

None known

Chemical Stability

Normally stable

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use

Incompatible Materials

Reacts with incompatible with: strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid), oxidizing agents (e.g. peroxides), strong reducing agents (e.g. hydrides)
Not corrosive to metals.

Hazardous Decomposition Products

Very toxic carbon monoxide; carbon dioxide; corrosive, oxidising nitrogen oxides; corrosive hydrogen chloride.

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SECTION 11:- TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Skin contact; eye contact; inhalation

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	Not available	344 mg/kg (rat)	3340 mg/kg (rabbit)
Poly(oxy-1,2-ethanediyl)-alpha-(4-nonylphenyl)-omega-hydroxy-, branched	1.15 mg/L (rat) (aerosol)	> 500 mg/kg (rat)	> 1000 mg/kg (rabbit)

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate or burn the skin.

Symptoms include pain, redness, and swelling

Serious Eye Damage/Irritation

May irritate or burn the eyes. Permanent damage including blindness may result

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

At high concentrations may cause nose and throat irritation. Symptoms may include coughing, shortness of breath, difficulty breathing and chest tightness

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause dermatitis. Symptoms may include dry, red, cracked skin (dermatitis). May cause irritation to respiratory system

Respiratory and/or Skin Sensitisation

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer

Carcinogenicity

Not known to cause cancer

Reproductive Toxicity

Development of Offspring

Not known to harm unborn child

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility

Germ Cell Mutagenicity

Not known to be a mutagen

No information was located for: Effects on or via Lactation, Interactive Effects.

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SECTION 12: –ECOLOGICAL INFORMATION

Ecotoxicity

Toxic, with long lasting effects to aquatic life, based on acute toxicity tests.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl chlorides	0.28 MG/L (Pimephales promelas (fathead minnow); 96-hour	0.01 mg/L (Daphnia magna (water flea); 48-hour		0.04 mg/L (Pseudokirchneriella subcapitata (alga); 96-hour
Poly(oxy-1,2-ethanediyl)-alpha-(4-nonylphenyl)-omega-hydroxy-, branched	3.8-6.2 mg/ L (Pimephales promelas (fathead minnow); 96-hour	9.3-21.4 mg/L (Daphnia magna (water flea); 48-hour		

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

This product and its degradation products is not expected to bioaccumulate.

Mobility in Soil

Studies not available

Other Adverse Effects

No information available

SECTION 13: –DISPOSAL CONSIDERATIONS

Disposal Methods

Recycle and reuse product, if possible. Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants) *The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.*

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SECTION 14 : –TRANSPORTATION INFORMATION

Canadian Transportation of Dangerous Goods Regulations

UN 1903 Disinfecting Liquid, N.O.S., Class 8 Pg III
(Quaternary Ammonium Compound Mixture)

US Department of Transport

UN 1903 Disinfecting Liquid, N.O.S., Class 8 Pg III
(Quaternary Ammonium Compound Mixture)

International Air Transportation Association Regulations

UN 1903 Disinfecting Liquid, N.O.S., Class 8 Pg III
(Quaternary Ammonium Compound Mixture)

International Maritime Organization Regulations

UN 1903 Disinfecting Liquid, N.O.S., Class 8 Pg III
(Quaternary Ammonium Compound Mixture)

Environmental Hazards

Marine Pollutant (Quaternary ammonium compounds, benzyl-C12-C16-alkydimethylchlorides)

Special Precautions

Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and IBC Code

Not applicable

SECTION 15: –REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL)/ Non Domestic Substance List (NDSL)

All ingredients listed on the DSL/NDSL

USA

Toxic Substances Control Act (TSCA) Section 8 (b)

All ingredients are listed on the TSCA Inventory

Custom Regulatory 1

WHMIS EXEMPT DIN REGISTERED PRODUCT # 02280825

SECTION 16: –OTHER INFORMATION

Prepared by:

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SDS Preparation Date: 2020-03-24

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