

# Safety Data Sheet

## PROTECT-SANI KLEENZ

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	PROTECT-SANI KLEENZ
<b>Other Means of Identification</b>	DL018
<b>Recommended Use</b>	Quaternary Disinfectant. HWS-64.
<b>Restrictions on Use</b>	Industrial Use Only - Keep Away from Children.
<b>Manufacturer</b>	Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6, Canada
<b>Supplier Identifier</b>	Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6, Canada
<b>Emergency Phone No.</b>	CANUTEC, 613 966 - 6666, 24 Hours Alberta Poison Centre, (800) 332 - 1414, 24 Hours
<b>SDS No.</b>	00680021

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2

#### Label Elements



Signal Word:  
Warning

Hazard Statement(s):  
Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.

Precautionary Statement(s):  
Prevention:  
Do not breathe dusts or mists.  
Wash hands and skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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If SWALLOWED: Call a POISON CENTRE/doctor/ if you feel unwell.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.

Storage:  
Store locked up.

Disposal:  
Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	5-10		

#### Notes

Contact manufacturer/supplier in case of an emergency.  
The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Quickly and gently blot or brush away excess chemical. Wash with plenty of water. If symptoms develop or persist, seek medical advice/attention.

##### Eye Contact

Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

##### Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

#### Most Important Symptoms and Effects, Acute and Delayed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### Immediate Medical Attention and Special Treatment

##### Medical Conditions Aggravated by Exposure

None known.

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## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

Closed containers may rupture violently when heated releasing contents.

In a fire, the following hazardous materials may be generated: toxic chemicals; irritating chemicals.

### Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Approach fire from upwind to avoid hazardous vapours or gases. Knock down vapours or gases with water fog or fine water spray.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

Dike and recover contaminated water for appropriate disposal.

If a fire occurs in the vicinity of the material, isolate materials not yet involved in the fire, and move containers from the fire area if this can be done without risk. If not possible, cool fire-exposed material with flooding quantities of water to absorb heat, keep containers cool and protect fire-exposed material. Cooling should continue until well after the fire is out.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Emergency responders: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Before entry, especially into confined areas, check atmosphere with an appropriate monitor.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Large spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product. Follow similar procedure for small spills or leaks.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid breathing in this product. Prevent skin contact. Do not get in eyes. Do not swallow. Avoid heating that will increase the amount of vapours. Keep containers tightly closed when not in use or empty. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this material.

### Conditions for Safe Storage

Store in an area that is: cool and dry, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Avoid freezing.

Do not handle swollen drums. Get expert advice. 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

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## Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides			1900 mg/m <sup>3</sup>			

### Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

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

Suitable materials are: butyl rubber, natural rubber, neoprene rubber, nitrile rubber, Viton®/butyl rubber.

#### Respiratory Protection

Not normally required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Green.
Odour	Fragrant
Odour Threshold	Not available
pH	7.2 - 7.8
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	~ 212 °C (414 °F)
Flash Point	Not applicable
Evaporation Rate	~ 0.3
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	~ 2.33 kPa (17.48 mm Hg) at 20 °C
Vapour Density (air = 1)	< 1
Relative Density (water = 1)	1.0
Solubility	Soluble in all proportions in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); ~ 1 centipoises (dynamic)

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

See "Hazardous Decomposition Products".

### Conditions to Avoid

Heat. Incompatible materials.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Irritating chemicals; toxic chemicals.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides		430 mg/kg	3560 mg/kg

### Skin Corrosion/Irritation

Human experience and animal tests show moderate or severe irritation.

### Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause nose and throat irritation. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

#### Skin Absorption

No information was located.

#### Ingestion

May cause irritation of the mouth, throat and stomach.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

### Respiratory and/or Skin Sensitization

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 the unborn child.

#### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

#### Effects on or via Lactation

Not known to cause effects on or via lactation.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

**Interactive Effects**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

This section is not required by OSHA HCS 2012. This section is not required by WHMIS 2015.

**SECTION 14. TRANSPORT INFORMATION**

This section is not required by WHMIS 2015. This section is not required by OSHA HCS 2012.

**Special Precautions** Not applicable

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

Not applicable

**SECTION 15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations**

This section is not required by OSHA HCS 2012. This section is not required by WHMIS.

**SECTION 16. OTHER INFORMATION**

<b>SDS Prepared By</b>	Chemisphere Solutions Ltd
<b>Phone No.</b>	(780) 460-4670
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<b>Revision Indicators</b>	The following SDS content was changed on May 01, 2018: SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values.
<b>Key to Abbreviations</b>	IARC = International Agency for Research on Cancer HSDB® = Hazardous Substances Data Bank OSHA = US Occupational Safety and Health Administration
<b>References</b>	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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