

Germ Clean

SECTION 1. IDENTIFICATION

Product Identifier Germ Clean
Recommended Use Disinfectant.
Manufacturer W.E. Greer Ltd., 14704 - 119 Avenue, Edmonton, AB, T5L 2P1, 780-451-1516,
www.wegreer.com
Emergency Phone No. CANUTEC, 1-888-226-8832, You can call *666 on your cellular phone

SECTION 2. HAZARD IDENTIFICATION

This section is not required by WHMIS 1988 (Controlled Products Regulations).

Label Elements

Danger
Causes severe skin burns and eye damage.
Harmful if swallowed or if inhaled.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Sodium carbonate	497-19-8	2	
Sodium tripolyphosphate	7758-29-4	2	
Alcohols, C12-16, ethoxylated, liquids	68551-12-2	1.5 - 2.6	
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.3 - 2.2	
Tetrasodium ethylenediaminetetraacetate	64-02-8	1.1 - 1.2	

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

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Obtain medical attention immediately.

Ingestion

Rinse mouth with water. Drink large quantities of water. Immediately call a Poison Centre or doctor.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Product Identifier: Germ Clean
Date of Preparation: February 14, 2017

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

This product presents no unusual hazards in a fire situation.

In a fire, the following hazardous materials may be generated: corrosive phosphorous oxides; corrosive chlorine; corrosive, oxidizing nitrogen oxides; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

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.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Keep containers tightly closed when not in use or empty.

Conditions for Safe Storage

Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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	Not established					
Sodium carbonate	Not established		Not established			
Sodium tripolyphosphate	Not established		Not established			
Alcohols, C12-16, ethoxylated, liquids	Not established		Not established			

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

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

Respiratory Protection

Not normally required if product is used as directed. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

Product Identifier: Germ Clean

Date of Preparation: February 14, 2017

Page 02 of 05

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Pink liquid.
Odour	Soapy
pH	11.23 - 11.73
Relative Density (water = 1)	1.047 - 1.054
Solubility	Soluble in all proportions in water
Other Information	
Physical State	Liquid
Other Physical Property 1	Percent volatile: 89 - 90

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials.

Incompatible Materials

Organic acids (e.g. acetic acid), inorganic acids (e.g. hydrofluoric acid), strong acids (e.g. hydrochloric acid), oxidizing agents (e.g. peroxides), strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

May include but not limited to: corrosive phosphorous oxides; corrosive hydrogen chloride; corrosive, oxidizing nitrogen oxides; very toxic carbon monoxide, carbon dioxide.

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		426 mg/kg (rat)	
Sodium carbonate	1150 mg/m ³ (male rat) (4-hour exposure)	2800 mg/kg (rat)	> 2000 mg/kg (rabbit)
Sodium tripolyphosphate		6500 mg/kg (rat)	

Skin Corrosion/Irritation

May burn the skin. Permanent scarring may result.

Serious Eye Damage/Irritation

Contact causes severe burns with redness, swelling, pain and blurred vision. Permanent damage including blindness can result.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation.

Product Identifier: Germ Clean
Date of Preparation: February 14, 2017

Ingestion

Can cause effects as described for skin contact. Depression of the central nervous system. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Symptoms may include dry, red, cracked skin (dermatitis).

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Sodium carbonate	300 mg/L (Lepomis macrochirus (bluegill); 96-hour; fresh water; static)	228 mg/L (Daphnia magna (water flea))		
Tetrasodium ethylenediaminetetraacetate	486 mg/L (Lepomis macrochirus (bluegill); 96-hour; static)	19000 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

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

Canada

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

All ingredients are listed on the DSL/NDSL.

SECTION 16. OTHER INFORMATION

NFPA Rating Health - 2 Flammability - 0 Instability - 0

SDS Prepared By W.E. Greer Ltd.

Phone No. 780-451-1516

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Product Identifier: Germ Clean

Date of Preparation: February 14, 2017

Page 04 of 05

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