

SECTION 1 - IDENTIFICATION

Product identifier/Trade name: POLYQUAT

Other means of identification:

Recommended use: NO RINSE FOOD - CONTACT SURFACE SANITIZER

Restriction on use: FOR INDUSTRIAL, INSTITUTIONAL, HOSPITAL, BARN, AND FOOD PLANT USE ONLY.

Initial supplier identifier: KEMPRO
6068 METROPOLITAIN EST, Suite 100
Saint Leonard, Quebec, Canada H1S 1A9
Phone: (514) 353-6776

Emergency phone number: (613) 996-6666 (CANUTEC)

SECTION 2 - HAZARDS IDENTIFICATION**2a WHMIS 2015 - GHS (Globally Harmonized System) classification:**

This product is regulated under the Food and Drug Regulations and is not regulated by WHMIS.

2b Label elements:

Pictogram: No pictogram

PRECAUTIONIONARY STATEMENT:

KEEP OUT OF REACH OF CHILDREN. CAUTION: Harmful if swallowed. Avoid contamination of food. Do not store in food processing or food storage areas. Do not mix with any other chemical. Avoid contact with undiluted product.

FIRST AID:

If contact with eyes or skin, flush thoroughly with water for 15 minutes. For eye contact, get medical attention. If swallowed, drink two or three glasses of milk or water. Call a physician or poison control centre immediately. Take container, label or product name and Drug identification Number with you when seeking medical attention.

NOTICE TO PHYSICIAN: Potential mucosal damage may contraindicate use of gastric lavage.

Warning statement: See under precautionary statement.

Hazard statement: See under precautionary statement.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
N-Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	0.009-0.015	Skin irritation, category 1B Oral toxicity, acute, category 4 Serious eye damage - category 1
N-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	0.009-0.015	Skin irritation, category 2 Oral toxicity, acute, category 4 Serious eye damage - category 1

The actual concentrations are withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

4a Description of first aid measures:

Eye contact: Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, call a physician or poison control center.

Skin contact: Take off contaminated clothing. Wash with plenty of water. If skin irritation occurs call a physician or poison control center. Wash contaminated clothing before reuse.

Inhalation: No effect expected

Ingestion: If conscious, rinse mouth with water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. Call a physician or poison control center immediately.

4b Most important symptoms and effects:

Eye contact: May cause slight irritation, redness, tears, burning sensation.

Skin contact: May cause irritation.

Inhalation: No effect expected.

Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

4c Immediate medical attention and special treatment needed.

No special treatment. See the doctor's notice in section 2.

SECTION 5 - FIRE FIGHTING MEASURES

5a Extinguishing media:

Suitable extinguishing media: Water (if possible, avoid powerful jets), foam, dry chemicals, carbon dioxide. Product itself is not flammable.

Unsuitable extinguishing media: None known.

5b Specific hazards for product:

Hazardous combustion products: Oxides of carbon, nitrogen, and other irritating gases.

5c Special protective equipment and precautions for firefighters

Special fire-fighting procedures/equipment: During a fire, irritating and toxic smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating and toxic products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6a Personal precautions, protective equipment, and emergency procedures:

Personal protection: Avoid contact with eyes. Floor will be slippery in case of a spill. In case of possible eye contact, safety glasses are suggested.

6b Methods and materials for containment and cleaning:

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be very slippery.

6c Environmental precautions: Product is biodegradable. Do not let large quantities go to the sewers.

SECTION 7 - HANDLING AND STORAGE

7a Precautions for safe handling:

Avoid contact with eyes. See section 2 for details.

7b Condition for safe storage:

Store in a sealed container in a well-ventilated place. Do not store food products. Keep from freezing.

7c Special packaging materials:

none.

Keep away from peroxide and bleach. No incompatibility with most materials found in most workplaces.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8a Control parameters:

	Ontario Time-weighted Average Limit (TWA)	Ontario Short-Term Exposure Limit (STEL)	Notations
No ingredients regulated	None established	None established	

8b Engineering controls:

Not required

8c Individual protection measures:

Respiratory Protection: Not required.

Skin protection and other protective equipment: Waterproof boots for large spills.

Eye / face protection: In case of possible eye contact, safety glasses are suggested.

General hygiene considerations: KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. Never eat, drink, or smoke in work areas. Good hygiene is recommended after use of this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Clear liquid.
Colour	Colorless liquid No fragrance
Odour	
Melting point and freezing point	Approximately 0°C
Boiling point:	Approximately 100°C
Flammability	N/A
Lower and upper flammability limit	N/A
Flash point	None to boil
Auto-ignition temperature	N/A
Decomposition temperature	N/A
pH	6-8
Viscosity:	<100 cps @ 25°C Miscible
Solubility in water:	
Partition coefficient – n-octanol/water	N/A
Vapour pressure (mm Hg)	20 mm Hg (water)
Specific gravity or density (water = 1 at 4 °C):	1.0 g/cm ³ @ 20°C
Relative vapour density	0.6 (water)
Particle characteristics	N/A

SECTION 10 - STABILITY AND REACTIVITY

10a Reactivity:

Not applicable.

10b Chemical stability:

Stable at room temperature, in normal handling and storage conditions.

10c Possibility of hazardous reactions:

None known.

10d Conditions to avoid:

None known when used as directed.

10e Incompatible materials:

None known when used as directed.

10f Hazardous decomposition products:

Carbon oxides, nitrogen oxides, and other irritant gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye, skin, and ingestion.

Eye contact: May cause slight irritation, redness, tears, burning sensation.

Skin contact: May cause irritation.

Inhalation: No effect expected.

Ingestion: May cause slight irritation, headache, abdominal pain, diarrhoea, nausea, and vomiting.

Carcinogenicity: No ingredient listed by IARC as a possible carcinogen.

Teratogenicity, mutagenicity, other reproductive effects: Not available

Skin sensitization: not available

Respiratory tract sensitization: Not available

Synergistic materials: Not available

Other important hazards: Not available

Toxicological data: The calculated LD50 for this product is greater than 10,000 mg/Kg, (oral, rat); our products are not tested on animals.

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION
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12a Ecotoxicity:

Not available

12b Persistence and degradability:

The product is biodegradable.

12c Bioaccumulation potential:

Not available

12d Mobility in soil:

Not available.

12e Other adverse effect:

No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 - DISPOSAL CONSIDERATIONS

Avoid contamination of food. Rinse the emptied container thoroughly. Make the empty container unsuitable for further use. Dispose of the container in accordance with municipal, provincial, and territorial requirements. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

SECTION 14 - TRANSPORTATION INFORMATION**Transportation of Dangerous Goods (TDG) in Canada:****UN number:** Not applicable**Proper shipping name:** Not applicable**Class:** Not applicable**Identification number:** Not applicable**Packing group:** Not applicable**Special case:** Not applicable**SECTION 15 - REGULATORY INFORMATION**

In Canada

WHMIS information: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and this safety data sheet (SDS) contains all the information required by the HPR.

WHMIS Classification: See section 2a.

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION

Date of latest revision: 2023-05-17

References:

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the SDS