

1. IDENTIFICATION

Product Identifier

Product Name Gluquat

Recommended use of the chemical and restrictions on use

Recommended use Liquid disinfectant
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
 10900 Secant
 Montreal, QC,
 H1J 5S1
 Tel: 514-355-4660

Emergency Telephone Number


Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1
Eye damage/ irritation	Category 1
Acute toxicity - oral	Category 4
Acute toxicity - inhalation	Category 3
Specific target organ toxicity (single exposure)	Category 3
Sensitization - respiratory	Category 1
Sensitization – skin	Category 1A

Label Elements

<p>DANGER</p> <p>Hazard Statements Causes severe skin burns and eye damage. Harmful if swallowed. Toxic if inhaled May cause respiratory irritation May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction</p>	
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Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
 Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Contaminated clothing should not be allowed out of the workplace.
 In case of inadequate ventilation, wear respiratory protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Immediately call a POISON CENTER or doctor/physician.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements - Storage

Store locked up. Store in a well ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Glutaraldehyde	111-30-8	12.5
C9-11 ethoxylated alcohol	68439-46-3	5-10
Alkyl (C12-16) dimethyl benzyl -ammonium chloride	68424-85-1	8
Octyldecyl dimethyl ammonium chloride	68424-95-3	6
Dioctyl dimethyl ammonium chloride	5538-94-3	3
Didecyl dimethyl ammonium chloride	7173-51-5	3
d-limonene	5989-27-5	1-5
Tetrasodium EDTA	64-02-8	1-5

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
Skin contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes burns to eyes, skin and mucous membranes. Symptoms include tingling sensation and / or reddening of tissues. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None

Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Handling Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL
Glutaraldehyde 111-30-8	TWA : 0.05 ppm	0.2 ppm/0.8 mg/m ³

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Goggles or safety glasses.

Skin and body protection Wear rubber or neoprene gloves.

Respiratory Protection If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection for organic vapors or aldehydes should be worn.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE :**

Clear, yellow liquid

ODOR

Aldehyde

ODOR THRESHOLD :

Not applicable

pH :

4-5

MELTING POINT / FREEZING POINT :

Not available

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

1.02

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

BOILING POINT/BOILING RANGE :

100 °C

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS):

Not applicable

AUTO-IGNITION TEMPERATURE :

None

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

<10 cps

FLAMMABLE LIMITS :**UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None.

Conditions to Avoid

Store away from incompatible materials.

Incompatible Materials

Strong oxidizers.

Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	L50 Oral	LD50 Dermal	LC50 Inhalation
Alkyl (C12-16) dimethyl benzyl ammonium chloride 68424-85-1	404 mg/kg (Rat)	>2000 mg/kg (Rabbit)	Not applicable
Octyldecyl dimethyl ammonium chloride 68424-95-3	50-500 mg/kg (Rat)	>2000 mg/kg (Rabbit)	Not applicable
Dioctyl dimethyl ammonium chloride 5538-94-3	1025 mg/kg (Rat)	>2000 mg/kg (Rabbit)	Not applicable
Didecyl dimethyl ammonium chloride 7173-51-5	84 mg/kg (Rat)	>2000 mg/kg (Rabbit)	Not applicable
Glutaraldehyde 111-30-8	77 mg/kg (rat)	>1000 mg/kg (Rabbit)	0.28 -0.39 mg/L rat – 4h
Tetrasodium EDTA 64-02-8	> 2000 mg/kg (Rat)	No data available	Not applicable
C9-11 ethoxylated alcohol 68439-46-3	> 2 g/kg (Rat)	No data available	Not applicable
d-limonene 5989-27-5	4400 mg/kg (rat)	>5000 mg/kg (rabbit)	Not available

Information on likely sources of exposure**Serious eye damage/irritation**

Corrosive to eyes and may cause grave lesions.

Skin corrosion/irritation

Corrosive to skin.

Ingestion

Ingestion may cause burns to the digestive and respiratory tract.

Inhalation

Spray mist may cause irritation or burns to respiratory tract.

Delayed and immediate effects and also chronic effects from short and long-term exposure**Respiratory or skin sensitization**

May cause respiratory and skin sensitization.

Germ cell mutagenicity

None known.

Carcinogenicity

No listed carcinogens.

Reproductive toxicity

None known.

STOT - single exposure

May cause respiratory irritation.

STOT-repeated exposure

None known.

Aspiration Hazard

None.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms include tingling sensation and / or reddening of tissues, eventually leading to burn lesions. See Section 4.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

Not regulated

15. REGULATORY INFORMATIONAll ingredients are listed on the DSL
D.I.N. 02280647**16. OTHER INFORMATION****Preparation Date**

January 2, 2017

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

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End of SDS