

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Totacide 28

### Recommended use of the chemical and restrictions on use

**Recommended use** Liquid disinfectant and sterilizer  
**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 2
Eye damage/ irritation	Category 2A
Acute toxicity - oral	Category 5
Acute toxicity - inhalation	Category 4
Sensitization - respiratory	Category 1
Sensitization – skin	Category 1A

### Label Elements

#### **DANGER**

#### **Hazard Statements**

Causes skin irritation.  
Causes serious eye irritation.  
May be harmful if swallowed.  
Harmful if inhaled  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction



### Precautionary Statements - Prevention

Avoid breathing 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.  
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  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**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	2.0 - 2.5

**4. FIRST AID MEASURES**

<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact physician if irritation persists.
<b>Skin contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult physician if experiencing respiratory symptoms.
<b>Ingestion</b>	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 irritation 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 irritation 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** None.

**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 <sup>3</sup>

**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, colorless liquid

**ODOR**

Aldehyde

**ODOR THRESHOLD :**

Not applicable

**pH :**

4.5-6.0

**MELTING POINT / FREEZING POINT :**

0°C

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not applicable

**VAPOR DENSITY (Air = 1) :**

Not applicable

**RELATIVE DENSITY AT 20°C:**

1.01

**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:**

&lt;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**

None.

**Incompatible Materials**

None.

**Hazardous decomposition products**

None known.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Chemical Name	L50 Oral	LD50 Dermal	LC50 Inhalation
Glutaraldehyde 111-30-8	77 mg/kg (rat)	>1000 mg/kg ( Rabbit )	0.28 -0.39 mg/L rat – 4h

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

Irritating to eyes.

**Skin corrosion/irritation**

Irritating 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**

None known.

**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. 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 INFORMATION**All ingredients are listed on the DSL  
D.I.N. 02012286**16. OTHER INFORMATION****Preparation Date**

January 2, 2017

**Revision Date**

not applicable

**Revision Note**

not applicable

**Disclaimer**

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**End of SDS**