

## 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

**Product Identifier:** hx<sub>2</sub>  
**Product Form:** Liquid, liquid soaked towelettes  
**Other means of identification:** Items 60017, 60019, 61164, 61164R  
**Product Use:** Intermediate level germicidal cleaner

**Supplier Details:** maxill inc.  
 80 Elm St.  
 St. Thomas, ON  
 Canada, N5R 6C8

**Emergency Contact:** maxill inc. 519-631-7370, CANUTEC: 613.996.6666, ChemTel: 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

**GHS Classification for mixture:** Serious eye damage/eye irritation – Category 2B

**GHS Label Elements:** Not applicable

**Signal Word:** WARNING  
**Hazard Statements:** Causes eye irritation  
**Precautionary Statements (Non-GHS):** Wash hands thoroughly after handling.  
**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 attention.  
**Storage:** Keep out of reach of children. Store away from incompatible materials.  
**Disposal:** Dispose of contents/container in accordance with local regulations  
**Hazards not otherwise classified:** None known.  
**WHMIS 2015 defined hazards:** Not classified.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

### Mixture

Name	Product Identifier	% (w/w)
Alkyl dimethyl benzyl ammonium Chloride (C12-18)	(CAS)68391-01-5	0.1 – 1 %
Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chloride	(CAS)85409-23-0	0.1 – 1 %
Butyl Carbitol	(CAS)112-34-5	5 – 10 %
Tetrasodium EDTA	(CAS)64-02-8	1 – 5 %

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## 4. FIRST AID MEASURES

### Description of First Aid Measures

**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin Contact:** Wash off with soap and water. Get medical attention if irritation develops and persists

**Eye Contact:** Immediately flush with clean, low-pressure water for several minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

**Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed**

Exposed individuals may experience eye tearing, redness, and discomfort.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician:** If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

See toxicological information (Section 11)

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## **5. FIRE FIGHTING MEASURES**

**Extinguishing Media**

**Suitable extinguishing media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Special Hazards Arising from the Substance or Mixture**

Heating or fire can release toxic gas

**Further Information:** Move containers from fire area if you can do so without risk

**Special protective equipment for fire-fighters:** In the event of fire, wear self-contained breathing apparatus.

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## **6. ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment as required.

**Environmental precautions:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

**Methods and materials for containment and cleaning up**

Use a water rinse for final clean-up.

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## **7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**General Procedures:** Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Handling:** KEEP OUT OF REACH OF CHILDREN

**Storage:** DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature

than 0°C or higher than 50°C. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Controls

#### Occupational exposure limits

Ingredient name	Value Type (form of exposure)	Control Parameters/ Permissible concentration	Basis
Butyl Carbitol	TWA	10 ppm	Inhalable fraction and vapour

#### Biological occupational exposure limits

None noted for the ingredient(s).

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

#### **Hand protection:**

Wear protective gloves.

#### **Eye protection:**

Wear safety glasses with side shields (or goggles).

#### **Skin and body protection:**

Wear suitable protective clothing.

#### **Hygiene measures:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state)</b>	Liquid.
<b>Colour</b>	Clear, colourless
<b>Odor</b>	Neutral
<b>Initial boiling point</b>	> 100°C
<b>Freezing point</b>	< 0°C
<b>Flash point</b>	> 93.9°C (Pensky-Martens Closed Cup)
<b>Upper / Lower flammability or explosive limits</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	1.013
<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Solubility(ies)</b>	Soluble
<b>pH</b>	10.5 – 12.5

## 10. STABILITY AND REACTIVITY

#### Reactivity:

The product is stable and non-reactive under normal conditions of use, storage and transport

#### Chemical Stability:

Material is stable under normal conditions.

#### Conditions to Avoid:

Avoid temperatures exceeding the flash point. Contact with incompatible materials

#### Incompatible Materials:

Strong acids, alkalis and oxidizing agents.

**Hazardous Decomposition Products:** Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Component

#### Acute Toxicity:

Ingredient name	LD <sub>50</sub> Oral	Species	LD <sub>50</sub> Dermal	Species
Alkyl dimethyl benzyl ammonium Chloride (C12-18)	> 750 mg/kg	Rat	Not available	-
Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chloride	> 750 mg/kg	Rat	Not available	-
Butyl Carbitol	5660 mg/kg	Rat	2700 mg/kg	Rabbit
Tetrasodium EDTA	1658 mg/kg	Rat	> 5000 mg/kg	Rabbit

### Information on toxicological Effects – Product

No available data for this section

#### Information on the likely routes of exposure:

<b>Ingestion:</b>	Expected to be a low ingestion hazard
<b>Inhalation:</b>	Prolonged inhalation may be harmful
<b>Skin contact:</b>	Causes mild skin irritation
<b>Eye contact:</b>	Causes eye irritation

#### Symptoms related to the physical, chemical and toxicological characteristics

Exposed individuals may experience eye tearing, redness, and discomfort

### Irritation/Corrosion Information for Product

<b>Skin corrosion/irritation:</b>	Causes mild skin irritation
<b>Serious eye damage/eye irritation:</b>	Causes eye irritation
<b>Respiratory sensitization:</b>	Not available
<b>Skin sensitization:</b>	This product is not expected to cause skin sensitization

**Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure:** Not applicable.

**Specific target organ toxicity - repeated exposure:** Not applicable.

**Aspiration hazard:** Not applicable

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** See below

### Ecotoxicity information for Components:

Ingredient name	LC <sub>50</sub> Results	Time	Species
Tetrasodium EDTA	472 - 500 mg/L	96 h	Bluegill ( <i>Lepomis macrochirus</i> )

**Persistence and degradability:** No available data

**Bio-accumulative potential:** No available data

**Mobility in soil:** No available data

**Other adverse effects:** No available data

## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions:** Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

**Local disposal regulations:** Dispose in accordance with all applicable regulations.

**Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products:** Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
<b>UN number</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>Environmental hazards</b>	No.	No.	No.	No.	No.	No.

**Special precautions for user:** none

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations for Product

**Canadian federal regulations:** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Exempt – Registered disinfectant

**WHMIS 2015 Exemptions** Exempt

**Safety, Health and Environmental Regulations for Component**

**TSCA:** All chemicals used in this product are either listed on or exempt from the TSCA Inventory.

**SARA 302, 313:** No chemicals used in this product are reportable under SARA 302, 313.

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**16. OTHER INFORMATION:  
INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**

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