



Vinox by maxill



**SAFETY DATA SHEET**

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

**Product Identifier:** Vinox, by maxill  
**Product Form:** Liquid  
**Other means of identification:** 60003, 60004, 61162, 61162R  
**Product Use:** Low 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 Label Elements:**



**Signal Word:** Warning  
**Hazard Statements:** Causes eye irritation  
Causes skin irritation  
**Precautionary Statements (Non-GHS):** Wear protective gloves. Wear eye or face protection. Wash skin thoroughly after handling.  
**Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention.  
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:** Store in a dry place. Store in a closed container. Protect from sunlight. Store in a well-ventilated place.  
**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)
Benzalkonium Chloride	(CAS No) 68424-85-1	0.30
2-Butoxyethanol	(CAS No) 111-76-2	2.0
Tetrasodium EDTA	(CAS No) 64-02-8	3.75

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:** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.
- Skin Contact:** After contact with skin, wash immediately with plenty of soap and water. Consult a physician.
- Eye Contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately.
- Ingestion:** Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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

No information available

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

**Notes to physician:** No information available

See toxicological information (Section 11)

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## 5. FIRE FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Dry powder; Water spray; Foam

### Special Hazards Arising from the Substance or Mixture

Heating or fire can release toxic gas

**Further Information:** Use water spray to cool unopened containers.

**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 respirator when performing operations involving potential exposure to vapour of the product

**Environmental precautions:** Prevent product from entering drains

### Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not flush into surface water or sanitary sewer system.

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## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**General Procedures:** Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with skin and eyes.

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

**Storage:** Keep containers closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Controls

#### Occupational exposure limits

Ingredient name	Value Type (form of exposure)	Control Parameters/ Permissible concentration	Basis
2-butoxyethanol	TWA	20 ppm	ACGIH
	REL	5ppm (24 mg/m <sup>3</sup> )	NIOSH/GUIDE
	PEL	50 ppm (240 mg/m <sup>3</sup> )	OSHA_TRANS
	TWA	25 ppm (120 mg/m <sup>3</sup> )	Z1A
	TWA	20 ppm	CAD ON OEL

#### Biological occupational exposure limits

Ingredient name	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-butoxyethanol	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	Sampling time: End of shift	200 mg/g	ACGIH BEI

### Appropriate engineering controls

**Respiratory protection:** In the case of vapour formation use a respirator with an approved filter.

**Hand protection:** Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

**Eye protection:** Tightly fitting safety goggles

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state)</b>	Liquid.
<b>Colour</b>	Clear, very pale yellow
<b>Odor</b>	Ozone fresh, 2-butoxyethanol, quaternary ammonium
<b>Initial boiling point</b>	100°C
<b>Freezing point</b>	Approximately 0°C
<b>Flash point</b>	>92°C
<b>Upper / Lower flammability or explosive limits</b>	Not available



Vapor pressure	Approximately 17 mmHg
Vapor density	Approximately 1.0 (air = 1)
Relative density	1.008
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Solubility(ies)	Soluble
pH	10.0 – 12.0

## 10. STABILITY AND REACTIVITY

**Reactivity:** Stable under recommended storage conditions

**Chemical Stability:** The product is stable.

**Conditions to Avoid:** No specific data.

**Incompatible Materials:** No specific data.

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

#### Acute Toxicity:

Product/ingredient name	LD <sub>50</sub> Oral	Species	LD <sub>50</sub> Dermal	Species	LC <sub>50</sub> Inhalation	Species
Benzalkonium Chloride	404 mg/kg	Rat	3346 mg/kg	Rabbit	Not available	-
2-Butoxyethanol	470 mg/kg	Rat	220 mg/kg	Rabbit	450 ppm/4 h	Rat
Tetrasodium EDTA	3030 mg/kg	Rat	>5000 mg/kg	Rabbit	Not available	-

**Information on the likely routes of exposure:** Eyes, Skin, Ingestion, Inhalation

#### Skin corrosion/irritation

**Skin irritation:** Remarks: Irritating to skin.

#### Serious eye damage/eye irritation

**Eye irritation:** Remarks: Irritating to eyes.

#### Carcinogenicity

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



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## 12. ECOLOGICAL INFORMATION

Ecotoxicity information: NO DATA AVAILABLE

## 13. DISPOSAL CONSIDERATIONS

Disposal methods: Contaminated packaging is to be disposed of as unused product

## 14. TRANSPORT INFORMATION

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

Special precautions for user: none

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not available

## 15. REGULATORY INFORMATION

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

SARA 311/312 Hazards: Acute Health Hazard

### US State Regulations

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

### Disclaimer

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