

MATERIAL SAFETY DATA SHEET



1. Product Information

Product: Vinox
Product Use: Low level germicidal cleaner
Supplier: maxill inc.
80 Elm Street, St. Thomas, ON
Canada N5R 6C8

Product Codes: 60705 60003 – 4 L
60705 60004 – 750 mL
60705 61162 – Towelettes

Contacts: Head Office: (519) 631-7370 Fax: (519) 631-3388 Emergency 24 hour CANUTEC: (613) 996-6666

WHMIS Classification: CLASS D2(B)



CLASS E



2. Preparation Information

Date Prepared: 21 September 2006
Prepared by: Operations Department
Glossary of Terms: NAV – Not Available

Supersedes: 18 September 2003 **Revision:** 2
NAP – Not Applicable DG – Dangerous Goods

3. Hazardous Ingredients

<u>Ingredient</u>	<u>CAS</u>	<u>% Range</u>	<u>LD50 Oral</u> mg/kg Species	<u>LD50 Dermal</u> mg/kg Species	<u>LC50 Inhalation</u> ppm/4 h Species
Benzalkonium Chloride	68424-85-1	0.1 - 0.5	404 Rat	3346 Rabbit	NAV NAP
2-Butoxyethanol	111-76-2	1 - 5	470 Rat	220 Rabbit	450 Rat
Tetrasodium EDTA	64-02-8	1 - 5	3030 Rat	>5000 Rabbit	NAV NAP

4. Physical Data

Physical State: Liquid **Specific Gravity:** 1.008 **Vapour Density:** Approx. 1.0 (air = 1)
Boiling Point: 100°C **Freezing Point:** Approx. 0°C **Vapour Pressure:** Approx. 17 mm Hg
Appearance: Clear, very pale yellow **Evaporation Rate:** < 1.0 (BuAc = 1) **pH:** 10.0 – 12.0
Odour: Ozone fresh, 2-butoxyethanol **Odour Threshold:** NAV **Coeff. of H₂O / Oil Distribution:** NAV

5. Fire and Explosion Data

WHMIS CLASS B? No **Flash Point:** > 92°C **Sensitivity to Static Charge:** No
Upper Explosion Limit: NAP **Auto Ignition Temperature:** NAV **Sensitivity to Impact:** No
Lower Explosion Limit: NAP
Extinguishment Media: Product is not combustible. Use dry chemical, foam or CO₂ for a surrounding fire.
Conditions to Avoid: Avoid contact with acid and alkaline products, which may result in the formation of irritating ammonia vapours.
Hazardous Combustion Products: May emit toxic fumes of carbon and nitrogen oxides if exposed to fire. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

6. Toxicological Properties

Route of Entry: Eyes, ingestion, inhalation and skin contact.

Effects of Acute Exposure:

Eyes: Causes moderate eye irritation with redness and swelling of the conjunctiva.

Skin: Can cause irritation, with discomfort and local redness and possible swelling.

Inhalation: Short-term harmful effects are not expected from vapour generated at ambient temperatures. Aerosols can be harmful if inhaled.

Ingestion: May cause irritation of mouth and throat, abdominal discomfort, nausea and vomiting.

LD50 Oral: 16037 mg/kg (Rat, calc.) **LD50 Dermal:** NAV **LC50 Inhalation:** NAV

Irritancy of Product: Eye and skin irritant. May be harmful if ingested.

Exposure Limit: NAV

Carcinogenicity: NAV

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6. Toxicological Properties (continued)

Sensitization to Product: Potential
Teratogenicity: No
Reproductive Toxicity: No
Mutagenicity: No
Effects of Chronic Exposure: NAV
Synergistic Materials: No

7. First Aid Measures

Eye Contact: Rinse immediately with water, remove contact lenses if any, and continue rinsing with water for at least 15 minutes while holding eyelids open. Consult a physician immediately.
Ingestion: Do not induce vomiting. Give large amounts of milk, egg whites, gelatin solution or large amounts of water to drink and call a physician immediately. Do not give anything by mouth if person is unconscious or convulsing.
Inhalation: Remove to fresh air. If breathing is difficult, consult a physician.
Skin Contact: Remove contaminated clothing and shoes. Wash skin well with soap and water. Wash clothing before wearing again. If irritation develops and persists, consult a physician.

8. Preventive Measures

Engineering Controls: General ventilation.
Handling Procedures: Avoid eye or skin contact.
Storage Requirements: Store in original container in a dry place at controlled room temperature, away for incompatible materials. Keep container closed when not in use.
Leak and Spill Procedure: Mop up excess spilled liquid. For small spills, collect with absorbent material such as paper, vermiculite or floor absorbent.
Waste disposal: Dispose of in accordance with applicable federal, provincial and municipal regulations.

Protective Equipment for Bulk Handling:

Respiratory: Not required under normal conditions of handling.
Use a NIOSH approved respirator if mists or aerosols are generated.
Eyes: Safety goggles.
Gloves: Impermeable gloves (rubber, synthetic).
Footwear: Not required under normal conditions of handling.
Other: Eye wash fountains are recommended.

Protective Equipment for End-Users:

Respiratory: Not required under normal conditions of use.
Eyes: Safety glasses are recommended.
Gloves: Impermeable gloves (rubber, synthetic).

9. Reactivity Data

Conditions of Instability: Stable
Incompatible Materials: Avoid contact with oxidizing and reducing agents.
Conditions of Reactivity: Stable.
Hazardous Decomposition Products: May liberate toxic fumes of carbon and nitrogen oxides if exposed to fire.

10. Special Shipping Information

<u>DG</u>	<u>Proper Shipping Name</u>	<u>TDG Hazard Class</u>	<u>UN Number</u>	<u>Packing Group</u>
No	NAP	NAP	NAP	NAP