MATERIAL SAFETY DATA SHEET

1.0 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Viper Broadspectrum Cleaner No Rinse Sanitizer
( Command Center 62 Viper Broadspectrum No Rinse Sanitizer)

**Product Use:** Sanitizer

**Manufacturer:** Virox Technologies Inc.  
**Supplier:** The Butcher Company

**Address:**
6705 Millcreek Dr. Unit 4  
Mississauga, Ontario L5N 5M4
Phone #: (905) 813-0110
Emergency Telephone (24 hours): 800-228-5635

**Phone #:** 67 Forest Street  
Marlborough, MA 01752-3012
Phone #: 800-225-9475

2.0 INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>Wt%</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
<th>LD₅₀</th>
<th>LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>0.5-1.5</td>
<td>1 mg/m³ TWA</td>
<td>1 mg/m³ TWA</td>
<td>1250 mg/kg oral, mouse</td>
<td>Not available</td>
</tr>
<tr>
<td>1-Hydroxyethylidene-1,1-diphosphonic acid</td>
<td>2809-21-4</td>
<td>1-5</td>
<td>Not available</td>
<td>Not available</td>
<td>1800 mg/kg oral, rat</td>
<td>Not available</td>
</tr>
<tr>
<td>Benzene, 1,1-oxybis-, sec-hexyl derivatives, sulfonated sodium salts</td>
<td>147732-60-3</td>
<td>0.5-1.5</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Benzensulfonic acid, dodecyl-</td>
<td>2717-68-70</td>
<td>0.5-1.5</td>
<td>Not available</td>
<td>Not available</td>
<td>650 mg/kg oral, rat</td>
<td>Not available</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>5-10</td>
<td>1 ppm TWA</td>
<td>1 ppm TWA</td>
<td>1518 mg/kg oral, mouse</td>
<td>2000 mg/m³ 4 h, rat</td>
</tr>
</tbody>
</table>

3.0 HEALTH HAZARDS IDENTIFICATION

**Route of Entry:** Eye, Skin contact, Ingestion

**Effects of Acute Exposure:**
- **Eye:** Corrosive. May cause burns.
- **Skin:** Corrosive. May cause burns.
- **Ingestion:** Corrosive. Harmful if swallowed. May cause burns and other medical problems.

**Effects of Chronic Exposure:**
- **Skin:** Prolonged or repeated exposure to dilutions may cause skin drying in sensitive individuals.
- **Irritancy:** Hazardous by WHMIS criteria.
- **Respiratory Tract Sensitization:** No data available.
- **Carcinogenicity:** Non-hazardous by WHMIS/OSHA criteria.
- **Teratogenicity, Reproductive Effects:** No data available.
- **Mutagenicity:** No data available.

**Synergistic Materials:** None known.

4.0 FIRST AID MEASURES

**Eye:** Immediately flush with water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin:** Flush with water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation:** Not a normal route of exposure. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Obtain medical attention or call a poison-control center immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

5.0 FIRE FIGHTING MEASURES

**Flammability:** Not flammable

**Flash Point (deg F/C, TCC):** None

**LEL:** Not applicable

**UEL:** Not applicable

**Hazardous Combustion Products:** May include and are not limited to oxides of carbon, oxides of sulphur, oxides of phosphorus, hydrogen sulphide, oxygen.

**Means of Extinction:** Treat for surrounding material.

**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus.

6.0 ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedure:** Before attempting clean-up, refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills of concentrated product from entering sewers or waterways. Contact emergency services and supplier for advice.
Viper Broad spectrum Cleaner No Rinse Sanitizer

7.0 HANDLING AND STORAGE

Storage and Handling Requirements: Keep out of reach of children. Avoid storage at elevated temperatures.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Safety goggles or glasses.
Respiratory Protection: Not normally required.
Other Protective Equipment: As required by employer code.
Engineering Controls: General ventilation normally adequate.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (deg F/C)</td>
<td>Not available</td>
</tr>
<tr>
<td>% Volatile (Wt %)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>1.06</td>
</tr>
<tr>
<td>Evaporation Rate (H₂O = 1)</td>
<td>Not available</td>
</tr>
<tr>
<td>pH (100%)</td>
<td>0.5 - 0.9</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold (ppm)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10.0 STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable.
Incompatible Materials: Oxidizers, reducers, caustics, acids.
Conditions for Reactivity: Not available.
Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of sulphur, oxides of phosphorus, hydrogen sulphide, oxygen when heated to decomposition.

11.0 DISPOSAL CONSIDERATIONS

Review federal, state/provincial and local government requirements prior to disposal.

12.0 TRANSPORTATION

T.D.G. and D.O.T. Classification: CORROSIVE LIQUIDS, N.O.S. (Hydrogen peroxide, phosphoric acid); Class 8; UN1760; PG II.

13.0 REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS Class: Class E - Corrosive Material
OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

Environmental Regulatory Lists
SARA - Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – Hydrogen peroxide and phosphoric acid are listed.
Toxic Substances Control Act (TSCA) - All the ingredients are listed on the Chemical Substance Inventory.
Canadian Domestic Substance List (DSL) - All the ingredients are listed on the DSL.

14.0 PREPARATION INFORMATION

Date: January 15, 1999
Telephone: 519-858-5021
MSDS Prepared by: Dell Tech Laboratories Ltd.

Disclaimer
Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).