



MATERIAL SAFETY DATA SHEET

1.0 PRODUCT AND COMPANY IDENTIFICATION

Product Name: HYPROX ACCELE (6%)

Product Use: General Disinfectant & Virucide

Manufacturer: Virox Technologies Inc.

Supplier: Toe Buhin Co., Ltd.

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Legend		HMIS		NFPA
Severe	4	Health	3	3
Serious	3	Fire Hazard	0	0
Moderate	2	Reactivity	0	0
Slight	1	Personal Protection	B	
Minimal	0			

2.0 INFORMATION ON INGREDIENTS

Ingredients	CAS #	Wt%	OSHA-PEL	ACGIH -TLV	LD ₅₀	LC ₅₀
Hydrogen Peroxide	7722-84-1	6	1 ppm TWA	1 ppm TWA	1518 mg/kg oral, mouse	2000 mg/m ³ 4 h, rat
Arylsulfonated sodium salt	147732-60-3	1-1.5	Not available	Not available	5100 mg/kg oral, rat	Not available
Linear Alkylaryl sulfonic acid	27176-87-0	1-5	Not available	Not available	Not available	Not available

3.0 HAZARD IDENTIFICATION

Emergency Overview: The product contains no substances which at their given concentration, are considered to be hazardous to health.

Route of Entry: Eye, Skin contact, Ingestion.

Eye contact: Corrosive. Causes burns.

Skin contact: May be mildly irritating to skin.

Ingestion: Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

4.0 FIRST AID MEASURES

Eye: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin: Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Inhalation: Not a normal route of exposure.

5.0 FIRE FIGHTING MEASURES

Flammability: Not flammable by WHMIS/OSHA criteria.

Flash point: >93.3°C

Auto-Ignition temperature: Not applicable

Means of extinction: Treat for surrounding material.

Specific hazards: Decomposition releases oxygen which may intensify fire.

Unusual hazards: None known.

Special protective equipment for fire fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6.0 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Refer to personal protection section.

Environmental precautions and clean-up methods: Before attempting clean up, refer to hazard data given above. Large spills, greater than 5 gallons (19 litres), may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Small spills may be neutralized with sodium bicarbonate and flushed into sanitary sewer with water.

Waste Disposal: Review federal, provincial, and local government requirements

7.0 HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practices. No smoking or eating in handling area. Do not get this material in your eyes, on your skin or on your clothing.

Storage: Store in a closed container away from incompatible materials. Avoid storage at elevated temperatures. KEEP OUT OF REACH OF CHILDREN.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure: No special ventilation requirements.

Personal Protective Equipment

Eye Protection: Safety goggles or glasses.

Hand Protection: Natural or butyl rubber, nitrile or neoprene gloves.

Skin and Body Protection: No special requirements under normal use conditions.

Respiratory Protection: Not normally required if good ventilation is maintained and exposure guidelines are not exceeded.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9.0 PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State: Liquid

Odor: Odorless

Boiling Point: No data

Freezing Point: No data

Vapor Density (air=1): No data

Vapor Pressure (mmHg): No data

Evaporation Rate: No data

pH (100%): 1.00-1.20

Specific Gravity: 1.037

Solubility in Water: Complete

Appearance and Color: Clear colorless

VOC (% as): 0.00% *

*-Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Productions, Sections 94508

10.0 STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions.

Incompatible Materials: Bases. Reducing Agents. Do not mix with chlorinated disinfectants.

Hazardous Decomposition Products: Decomposition releases oxygen which may intensify fire.

11.0 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Eye contact: Corrosive to eyes. Causes chemical burns.

Skin contact: May be mildly irritating to skin.

Ingestion: Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Inhalation: Not a normal route of exposure.

Chronic Toxicity:

Irritancy: May cause chemical burns to eyes.

Skin Sensitization: Not a skin sensitizer.

Dermal Toxicity: Non-hazardous by WHMIS/OSHA criteria.

Respiratory Tract Sensitization: None known.

Specific effects

Carcinogenicity: None known.

Teratogenicity: None known.

Mutagenicity: None known.

Reproductive Effects: None known.

Synergistic Materials: None known.

12.0 ECOLOGICAL INFORMATION

Environmental Information: Estimated IC50 Luminescent Bacteria > 100mg/L based on the standard use of the product.

13.0 DISPOSAL CONSIDERATIONS

Waste Disposable Methods: Review federal, provincial, and local government requirements prior to disposal.

14.0 TRANSPORTATION

T.D.G. / D.O.T. Classifications: Not regulated as dangerous good.

ADN: Not regulated as dangerous goods.

ADR: Not regulated as dangerous goods.

IATA/ICAO (Air): Not regulated as dangerous goods.

IMDG (Marine Transport): Not regulated as dangerous goods.

RID: Not regulated as dangerous goods.

15.0 REGULATORY INFORMATION

Occupational health and safety Regulations:

WHMIS Class: Non-controlled by WHMIS – DIN 02245061 (Outside Canada: Class D – Division 2B: IRRITANT).

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: No reportable ingredients.

Toxic Substances Control Act (TSCA): All ingredients are listed on the Chemical Substances Inventory or exempt.

Canadian Domestic Substance List (DSL): All ingredients are listed on the DSL or exempt.

Global Inventory Status: All the ingredients are listed on the Japanese ENCS

16.0 OTHER INFORMATION

Last revision: Sep. 09, 2011

Prepared by: Virox Technologies Inc

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