

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

077644149

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

076385124 077347248 273040254



Your Infection Control Specialist™

## MATERIAL SAFETY DATA SHEET

### 1.0 PRODUCT AND COMPANY IDENTIFICATION

Product Name: HIP Ultra (Hydrim cleaning solution with instrument protection)

Product Use: Cleaner for Hydrim automatic instrument reprocessor machines

Supplier: SciCan Ltd.  
1440 Don Mills Rd.  
Toronto, ON M3B 3P9 CA

TEL : 1-800-667-7733

FAX: (416) 445-2727

Date MSDS Prepared: February 28, 2013

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

### 2.0 HAZARD IDENTIFICATION

Emergency Overview: Mild eye and skin irritant.

Route of Entry: Eye, Skin contact, Ingestion, Inhalation.

Eye contact: Slightly to mildly irritating to eyes.

Skin contact: Slightly to mildly irritating to skin.

Ingestion: None known.

Inhalation: None known.

### 3.0 INFORMATION ON INGREDIENTS

Ingredients	CAS #	Wt%	ACGI H -TLV	LD <sub>50</sub>	LC <sub>50</sub>
N-(n-octyl)-2-pyrrolidone	2687-94-7	1-5	Not available	2050 mg/kg rat	Not Available
Sodium xylene sulphonate, potassium salt	1300-72-7	3-7	Not available	7200 mg/kg rat	Not available
Phosphonic acid, (1- hydroxyethylidene)bis- tetrapotassium salt	14860-53-8	5-10	Not available	520 mg/kg rat	Not available

### 4.0 FIRST AID MEASURES

Eye: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical assistance if irritation persists.

Skin: Rinse with plenty of water. Wash with soap and water.

Ingestion: Rinse mouth with water. If conscious, give a cupful of water or milk. Obtain medical attention.

Inhalation: No specific first aid measures are required.

### 5.0 FIRE FIGHTING MEASURES

Flammability: This product is not flammable.

Flash point: >200°F (93.4°C)

Auto-Ignition temperature: Not applicable.

Means of extinction: Treat for surrounding material.

Specific hazards: None known.

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.

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## 6.0 ACCIDENTAL RELEASE MEASURES

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Personal Precautions: Use personal protective equipment.

Environmental precautions and clean-up methods: 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 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 prior to disposal.

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## 7.0 HANDLING AND STORAGE

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Handling: Handle in accordance with good industrial hygiene and safety practices. No smoking or eating in handling area. Avoid contact with eyes and skin.

Storage: Protect from freezing and avoid storage at elevated temperatures. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

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## 8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

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Engineering measures to reduce exposure: No special ventilation requirements. General room ventilation is adequate.

### 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: No special requirements under normal use conditions.

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

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## 9.0 PHYSICAL/CHEMICAL CHARACTERISTICS

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Physical State: Liquid	Evaporation Rate: Not available
Odor: Odourless	pH: 9.3-9.8
Boiling Point: Not available	Density: 1.113 Kg/L @20°C
Freezing Point: Not available	Solubility in Water: Complete
Vapor Density (air=1): Not available	Appearance and Color: Clear,
Vapor Pressure(mmHg): Not available	colorless liquid
Flash Point: >93.4°C (200°F)	VOC (% as): 0.00% *

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

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#### 10.0 STABILITY AND REACTIVITY DATA

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Stability: This product is stable.

Incompatible Materials: Do not mix directly with any other cleaning or disinfecting products.

Hazardous Decomposition Products: None reasonable foreseeable.

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#### 11.0 TOXICOLOGICAL INFORMATION

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Acute Toxicity:

Eye contact: Slightly to mildly irritating to eyes.

Skin contact: Slightly to mildly irritating to skin.

Ingestion: Non-hazardous by WHMIS criteria (Oral LD50 >500 mg/kg).

Inhalation: Non-hazardous by WHMIS criteria (Four-hour LC50 >2.59 mg/L).

Dermal Toxicity: Non-hazardous by WHMIS criteria (Dermal LD50 >2000 mg/kg)

Chronic Toxicity:

Skin Sensitization: Not a skin sensitizer

Respiratory Tract Sensitization: Non-hazardous by WHMIS criteria.

Specific effects

Carcinogenicity: Non-hazardous by WHMIS criteria.

Teratogenicity: Non-hazardous by WHMIS criteria.

Mutagenicity: Non-hazardous by WHMIS criteria.

Reproductive Effects: Non-hazardous by WHMIS criteria.

Synergistic Materials: None known.

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#### 12.0 ECOLOGICAL INFORMATION

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Environmental Information: No data available

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#### 13.0 DISPOSAL CONSIDERATIONS

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

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#### 14.0 TRANSPORTATION

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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.

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#### 15.0 REGULATORY INFORMATION

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Occupational health and safety Regulations:

Canada (WHMIS hazard class): Class D- Division 2B (irritant)

International Inventories at CAS# Level: All components of this product are listed on the following inventories: Canada (DSL/NDL)

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#### 16.0 OTHER INFORMATION

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Last revision:

Prepared by: Virox Technologies Inc.

Expiry Date:

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Notice to Reader:

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# HIP ULTRA (Hydrim Cleaning Solution with Instrument Protection)

Conforms to Regulation(EC) NO 1907/2006 (REACH), Annex II (453/2010) - Europe

## SECTION 1. IDENTIFICATION

**Product Identifier** HIP ULTRA (Hydrim Cleaning Solution with Instrument Protection)  
**Recommended Use** Cleaner for Hydrim automatic instrument processor machines.  
**Supplier** SciCan Ltd, 1440 Don Mills Road, Toronto, ON, M3B 3P9, 1-800-667-7733  
**Emergency Phone No.** SciCan Ltd, 1-800-667-7733  
**SDS No.:** 052417

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Acute toxicity (Oral) - Category 4;  
 Skin corrosion/irritation - Category 3;  
 Serious eye damage/eye irritation - Category 2A

### GHS Label Elements



Signal Word:

Warning

Hazard Statement(s):

H319 Causes serious eye irritation.  
 H316 Causes mild skin irritation.  
 H302 Harmful if swallowed.

Precautionary Statement(s):

P280 Wear eye protection.  
 P305+P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P301+P312 IF SWALLOWED: Call a POISON Center or doctor/physician if you feel unwell.

Description of hazards not otherwise classified: Not applicable

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Diphosphonic acid, (1-hydroxyethylidene)-, tetrapotassium salt	14860-53-8	5 - 10	
Sodium xylenesulfonate	1300-72-7	3 - 7	
2-Pyrrolidinone, 1-octyl-	2687-94-7	1 - 5	

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

No specific first aid measures are required.

#### Skin Contact

Rinse skin with cool water. Wash with soap and water.

#### Eye Contact

Flush with cool water. Remove contact lenses, if applicable, and continue washing.

Obtain medical attention if irritation develops or persists.

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### **Ingestion**

Rinse mouth with water. Have victim drink one or two glasses of water if able to. Seek medical attention.

### **Most Important Symptoms and Effects, Acute and Delayed**

If on skin: May cause mild irritation.

If in eyes: Causes serious eye irritation

If ingested: Harmful if swallowed.

### **Immediate Medical Attention and Special Treatment**

#### **Target Organs**

Not Applicable.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Chemical**

None known. Not flammable by WHMIS/OSHA criteria.

### **Special Protective Equipment and Precautions for Fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Fire fighters should wear full protective clothing, including self-contained breathing apparatus.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### **Environmental Precautions**

Before attempting clean-up, refer to hazard data. Review federal, provincial and local government requirements prior to disposal. Large spills (greater than 5 gallons): prevent large spills from entering surface water ways.

### **Methods and Materials for Containment and Cleaning Up**

Diluted product can be flushed to sanitary sewer. Use water rinse for final cleanup.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Use good industrial hygiene practices in handling this material. Do not eat, drink or store food in work areas. Do not smoke in work areas. Avoid contact with eyes, skin and clothing. Do not ingest.

### **Conditions for Safe Storage**

Protect from freezing. Avoid storage at elevated temperatures keep container tightly closed in a dry and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

### **Specific End Uses**

For use only with Hydrim automatic instrument processor machines.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:** No information available.

### **Appropriate Engineering Controls**

No specific controls recommended. General ventilation is usually adequate.

### **Individual Protection Measures**

#### **Eye/Face Protection**

Safety goggles or glasses.

#### **Skin Protection**

Not required, if used as directed.

#### **Respiratory Protection**

Not normally required if product is used as directed.

**Environmental Exposure Controls:** Not required if used as directed.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear colourless.
Odour	Odourless
Odour Threshold	Not available
pH	9.3 - 9.8
Melting Point/Freezing Point	Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	> 93.3 °C (199.9 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.113 at 20 °C
Solubility	Soluble in water
Partition Coefficient, n-Octanol/Water (Log K <sub>ow</sub> )	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Explosive properties	Not explosive
Oxidising properties	Not oxidising

### Other Information

Physical State	Liquid
VOC (% as)	0.00 %*

\*-Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Section 94508.

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid and Incompatible Materials

Do not mix with any other cleaning or disinfecting product.

### Hazardous Decomposition Products

None reasonably foreseeable.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Eye contact; skin contact; ingestion; inhalation.

### Acute Toxicity

LC50 (Inhalation) > 20 mg/L

LD50 (Oral) > 500 mg/kg

LD50 (Dermal) > 5000 mg/kg

### Skin Corrosion/Irritation

May be mildly irritating to skin.

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**Serious Eye Damage/Irritation**

Causes serious eye irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

Based on available data, the classification criteria are not met.

**Skin Absorption**

Based on available data, the classification criteria are not met.

**Ingestion**

Harmful if swallowed.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure****Respiratory and/or Skin Sensitization**

Skin Sensitization: not a skin sensitizer.

Respiratory Tract Sensitization: not a respiratory sensitizer.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive Toxicity****Development of Offspring**

Based on available data, the classification criteria are not met.

**Sexual Function and Fertility**

Based on available data, the classification criteria are not met.

**Effects on or via Lactation**

Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

Based on available data, the classification criteria are not met.

**Interactive Effects**

None known.

**Aspiration Hazard**

Not an aspiration hazard

**SECTION 12. ECOLOGICAL INFORMATION**

Toxicity: Not available

Persistence and degradability: Based on ingredients, mixture is readily biodegradable.

Bioaccumulative Potential: Based on ingredients mixture is not bioaccumulative.

Mobility on soil: Not available

Results on PBT and vPvB assessment: Based on available data, the classification criteria are not met.

Other adverse effects: Not available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Diluted product can be flushed to sanitary sewer.

**SECTION 14. TRANSPORT INFORMATION****Shipping Information**

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

UN Number: Not applicable

UN Proper Shipping Name: Not applicable

Transport hazard class: Not applicable

Packing Group: Not applicable

Environmental Hazards: Not applicable

**Special Precautions**

Not applicable

**for User****Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

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## Other Information

ADR, RID, ADN, IMO/IMDG.: Not regulated under any of above regulations.

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

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### WHMIS Classification



Class D2B

D2B - Toxic (Eye irritant)

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

#### EUROPE

##### Ingredients according to EC Detergent Regulations 648/2004.

Anionic Surfactants 5-15%

Nonionic Surfactants less than 5%

**Chemical Safety Assessment:** A chemical safety assessment has not been carried out in the mixture.

## SECTION 16. OTHER INFORMATION

HMIS Rating	Health - 1	Flammability - 0	Physical Hazard - 0
SDS Prepared By	Virox Technologies Inc.		
Phone No.	(800) 387-7578		
Date of Preparation	November 09, 2015		
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