

# HIP (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 (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.** 052410

## 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.

## 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.

#### 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.

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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.

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

### **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.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Basic Physical and Chemical Properties**

#### **Appearance**

Clear colourless.

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<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH</b>	9.3 - 9.8
<b>Melting Point/Freezing Point</b>	Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	> 93.3 °C (199.9 °F)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable (liquid).
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.113 at 20 °C
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Viscosity</b>	Not available (kinematic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid
<b>VOC (% as)</b>	0.00 %*

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

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.

### Serious Eye Damage/Irritation

Causes serious eye irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not classified under GHS criteria.

**Skin Absorption**

Not classified under GHS criteria.

**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**

Not classified under GHS criteria.

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

Not classified under GHS criteria.

**Sexual Function and Fertility**

Not classified under GHS criteria.

**Effects on or via Lactation**

Not classified under GHS criteria.

**Germ Cell Mutagenicity**

Not classified under GHS criteria.

**Interactive Effects**

None known.

**SECTION 12. ECOLOGICAL INFORMATION**

Environmental information was not located.

**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.

**Special Precautions** Not applicable

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

Not applicable

**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.

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**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 %

**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**            June 19, 2014

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