

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.

Product Identifier: HIP (Hydrim Cleaning Solution with Instrument Protection)
SDS No.: 052410
Date of Preparation: June 19, 2014

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.

Product Identifier: HIP (Hydrim Cleaning Solution with Instrument Protection)

SDS No.: 052410

Date of Preparation: June 19, 2014

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 Kow)	Not available
Auto-ignition Temperature	Not applicable
Viscosity	Not available (kinematic)
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 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.

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		
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SDS No.: 052410
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Page 05 of 05