

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.

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.

Product Identifier: HIP (Hydrim Cleaning Solution with Instrument Protection)
 SDS No.: 052410
 Date of Preparation: November 09, 2015

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.

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

SDS No.: 052410

Date of Preparation: November 09, 2015

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 _{ow})	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 Productions, 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.

Product Identifier:	HIP (Hydrim Cleaning Solution with Instrument Protection)
SDS No.:	052410
Date of Preparation:	November 09, 2015

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

for User

Not applicable

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

SDS No.: 052410

Date of Preparation: November 09, 2015

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%

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

SDS No.: 052410

Page 05 of 05

Date of Preparation: November 09, 2015