

HIP (Hydrim Cleaning Solution with Instrument Protection)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HIP (Hydrim Cleaning Solution with Instrument Protection)
MSDS No. 052409
Supplier SciCan Ltd, 1440 Don Mills road, Toronto, ON, M3B 3P9, 1-800-667-7733
Emergency Contact Information SciCan Ltd, 1-800-667-7733
Use Cleaner for Hydrim automatic instrument processor machines

2. HAZARDS IDENTIFICATION

Emergency Overview May cause eye and skin irritation.
Potential Health Effects
Route of Exposure Eye contact; skin contact; ingestion; inhalation.
Inhalation None known.
Skin Contact May cause mild irritation.
Eye Contact May cause mild irritation.
Ingestion Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %	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	

4. FIRST AID MEASURES

First Aid Procedures
Inhalation No specific first aid measures are required.
Skin Contact Flush 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 Have victim rinse mouth with water. Have victim drink one or two glasses of water if able to. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flammable Properties Not flammable by WHMIS/OSHA criteria.
Suitable Extinguishing Media Not combustible. Use extinguishing agent suitable for surrounding fire.
Specific Hazards Arising from the Chemical None known.
Protective Equipment and Precautions for Firefighters 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. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use the Personal Protective Equipment recommended in Section 8 of this MSDS.
Environmental Precautions	Before attempting clean-up, refer to hazard data. Review federal, provincial and local government requirements prior to disposal. Large spills or leaks (greater than 5 gallons): Prevent from entering sewers or waterways.
Methods for Containment and Clean-up	Diluted product can be flushed into sanitary sewer. Use water rinse for final clean-up.

7. HANDLING AND STORAGE

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.
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	No specific controls recommended. General ventilation is usually adequate.
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.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear colourless.
Odour	Odourless
Boiling Point	Not available
Freezing Point	Not available
Relative Density (water = 1)	1.113 at 20 °C
Solubility in Water	Soluble
pH	9.3 - 9.8
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Evaporation Rate	Not available
Flash Point	> 93.4 °C (200.1 °F)
Auto-ignition Temperature	Not applicable
VOC (% as)	0.00 %*

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

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Incompatible Materials	Do not mix with any other cleaning or disinfecting product.
Hazardous Decomposition Products	None reasonably foreseeable.

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11. TOXICOLOGICAL INFORMATION

LC50 (Inhalation) > 2.59 mg/L

LD50 (Oral) > 500 mg/kg

LD50 (Dermal) > 2000 mg/kg

Skin Irritation/Corrosion

May be mildly irritating to skin.

Eye Irritation/Corrosion

May cause mild irritation.

Effects of Short-Term (Acute) Exposure

Inhalation

Non-Hazardous by WHMIS criteria.

Skin Absorption

Non-Hazardous by WHMIS criteria.

Ingestion

Non-Hazardous by WHMIS criteria.

Effects of Long-Term (Chronic) Exposure

Respiratory and/or Skin Sensitization

Skin Sensitization: not a skin sensitizer.

Respiratory Tract Sensitization: not a respiratory sensitizer.

Carcinogenicity

Non hazardous by WHMIS criteria.

Teratogenicity / Embryotoxicity

Non hazardous by WHMIS criteria.

Reproductive Toxicity

Non hazardous by WHMIS criteria.

Mutagenicity

Non hazardous by WHMIS criteria.

Toxicologically Synergistic Materials

None known.

12. ECOLOGICAL INFORMATION

General Comments Environmental information was not located.

13. DISPOSAL CONSIDERATIONS

Review federal, provincial and local government requirements prior to disposal.

14. TRANSPORT INFORMATION

Shipping Information

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

Other Transport Information

Special Shipping Not applicable

Information

Other Information ADR, RID, ADN, IMO/IMDG. Canadian TDG: Not regulated under any of above regulations.
IATA/ICAO (Air): Not regulated under dangerous goods.

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15. REGULATORY INFORMATION

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.

16. OTHER INFORMATION

HMIS Rating	Health - 1	Flammability - 0	Physical Hazard - 0
MSDS Prepared By	Virox Technologies Inc.		
Phone No.	(800) 387-7578		
Date of Preparation	May 30, 2014		
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