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UriSol

#### Section 01: Identification

Product Name: UriSol

Recommended Use: Organic Acid Descaler (See Technical Data Sheet)

#### Section 02: Hazards Identification/Emergency Overview

Physical State: Liquid

Colour: Clear Green

Odour: Odourless

WHMIS Classification: Not Controlled.

**Hazard Statement:** Avoid contact with skin and eyes. Wear suitable clothing, gloves, eye protection and footwear. Do not ingest.

#### Section 03: Composition/Information on Ingredients

Ingredient	% Conc.	C.A.S. #	Ingredient	% Conc.	C.A.S. #
Organic Acid	20-40	506-89-8			

#### Section 04: First Aid Measures

Flush affected skin and eyes thoroughly for at least 10 minutes. Remove contaminated clothing, if necessary. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue.

Casualties experiencing breathing difficulties should be moved to fresh air and administered oxygen or artificial respiration as needed.

If ingested, do not induce vomiting. A small amount of water may be given to casualty. Never give anything by mouth to an unconscious person.

Seek medical attention for any serious, prolonged or aggravated condition.

#### Section 05: Fire Fighting Measures

Flammable: Non-Flammable If yes, under what conditions: Not Applicable

Means of extinction: Standard procedure for chemical fires. Cool containers / tanks with water spray.

Hazardous combustion products: Hydrogen Chloride.

Special protective equipment and precautions for firefighters: Standard equipment for chemical fires.

#### Section 06: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: See Section 8.

Environment precautions: When diluted, poses no serious environmental harm.

Methods and materials for containment and cleaning-up: Use appropriate tools to contain the spilled chemical, use absorbent material to absorb spilled chemical, dispose of absorbed material in a waste disposal container.

#### Section 07: Handling and Storage

Precautions for safe handling: Open and handle container with care. Do not eat, drink or smoke in the presence of open container. Follow routine safe-handling procedures.

Storage requirements: When not in use, keep container tightly closed in a dry, cool, well-ventilated area. Avoid contact with incompatible materials listed in Section 10. Store away from food, drink and ignition sources. Empty containers can retain product residue and may be hazardous. Do not cut, drill, grind, weld or perform similar operations on or near empty containers.

#### Section 08: Exposure Controls/Personal Protection

Note: These recommendations provide general guidelines for handling this product. Personal protective equipment should be selected according to individual application of the material, safe handling practices to consider include: exposure potential, chemical concentration and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local, provincial and federal authorities.

Recommended Personal Protective Equipment:

Gloves: PVC or Nitrile Rubber

Respiratory: NIOSH approved respirator or mask

Eye: Chemical goggles or face shield

Footwear: Chemical resistant footwear

Clothing: Cover exposed skin

Engineering controls: Local mechanical exhaust ventilation

Other: Eyewash station and safety shower are proximal to workstation

#### Section 09: Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear Green

Odour: Odourless

Odour threshold: Not Available

pH @ 1%: 0.9 - 1.1

Melting point / Freezing point (°C): < -25° C

Initial boiling point and boiling range (°C): Not Available

Flash point (°C): Not Applicable

Evaporation rate: Not available

Flammability: Non-Flammable

Upper / Lower flammability or explosive limits: Not Applicable

Vapour pressure (mmHg): Not Available

Vapour density (Air=1): Not Available

Relative density: Not Available

Solubility: Completely Soluble

Partition coefficient: n-octanol/water: Not Available

Auto-ignition temperature (°C): Not Applicable

Decomposition temperature: Not Available

Specific Gravity: 1.201

**Section 10: Stability and Reactivity**

Chemical stability under normal conditions: Stable.

If no, under what conditions:

Possibility of hazardous reactions: Normally stable when used as directed.

Incompatible materials: Avoid contact with oxidizing agents, alkalis and hypochlorites.

Reactivity and under what conditions: May be corrosive to steel, aluminum, zinc, and copper.

Hazardous decomposition products: Heating above 230°F/110°C could result in exothermic decomposition with the release of carbon dioxide gas.

**Section 11: Toxicological Information**  
**Hazardous Ingredients (Section 3):**

LD50, (Oral)

LD50, (Dermal)

LC50, (Inhalation)

Exposure  
Skin Contact (Absorption – Yes)

Acute  
May cause irritation in sensitive individuals.

Chronic  
Repeated of prolonged contact to dilute solutions can cause dermatitis in susceptible individuals.

Eye  
Inhalation (in presence of mist)  
Ingestion

May cause irritation, tearing and redness.  
Not expected.  
May cause gastrointestinal discomfort.

Ingesting large volumes may cause gastrointestinal discomfort, vomiting and diarrhea.

Note: No other data available.

Teratogenicity: Not Available

Reproductive toxicity: Not Available

Mutagenicity: Not Available

Carcinogenicity: This product does not contain ingredients considered carcinogenic, by the National toxicity Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

**Section 12: Ecological Consideration**

Ecotoxicity (aquatic and terrestrial): Not Available

Persistence and degradability: Not Available

Bioaccumulative potential: Not Available

Mobility in soil: Not Available

Other adverse effects: Not Available

**Section 13: Disposal Considerations**

Waste Disposal: Dispose of this material and its container in accordance with local, provincial and federal regulations.

**Section 14: Transport Information**

UN Number: Not Applicable

Shipping Name: Not Applicable

Packing Group: Not Applicable

Special Shipping Information:

Freeze/Thaw Stable. Agitation Not Required.

Freeze at: < -25° C.

**Section 15: Regulatory Information**

This safety data sheet has been prepared in accordance with the WHMIS standards. All materials used appear on the Canadian DSL. Materials not listed are either non-hazardous or in concentrations of less than 0.1%.

**Section 16: Other Information**

Responsibility Statement

The information contained herein is provided as a guide to the handling of this product. It is our belief that the information provided in this safety data sheet is reliable. This product should not be used by any person who is not familiar with the contents of this safety data sheet, the recommendation found on the label and the technical data sheet. No warranty of any kind is given or implied and Enercon Water Treatment Ltd. assumes no responsibility for damages, losses, injuries or events resulting from damages incurred from its use. The information on this material safety data sheet relates only to the specific material designated herein and does not relate to material use in combination with any other material or in any process.

Prepared By: Technical Services

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