

# SAFETY DATA SHEET



## ENERCON WATER TREATMENT LTD.

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**EC-517**

**EMERGENCY PHONE NUMBER (CANUTEC): (613) 996-6666**  
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### Section 01: Identification

Product Name: EC-517

Recommended Use: Boiler Water Treatment (See Technical Data Sheet)

### Section 02: Hazards Identification/Emergency Overview

Physical State: Liquid

#### GHS Classification:

##### Physical Hazard:

None

##### Health Hazard:

Eye damage/eye irritation- category 2A

Skin- corrosion/irritation- category 2

Acute toxicity-category 4

##### Hazard Statements:

It may be fatal or harmful if swallowed. Skin and eye damage may occur.



Signal Word: **Warning**

**Precautionary Statement:** Avoid contact with skin and eyes. Wear suitable clothing, gloves, eye protection and footwear. In the presence of vapours, avoid inhaling. Do not ingest

### Section 03: Composition/Information on Ingredients

Ingredient	% Conc.	C.A.S. #	Ingredient	% Conc.	C.A.S. #
This Product Contains No Hazardous Ingredients As Defined By GHS Regulation.					

### Section 04: First Aid Measures

Skin: Flush skin thoroughly for at least 5 minutes. Remove contaminated clothing. Seek medical attention if irritation occurs or persists.

Eyes: Flush eyes with running water for at least 15 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek medical attention immediately. Inhalation: Assist difficult breathing by removing casualty to fresh air. Administer oxygen to casualty experiencing breathing difficulty. Perform artificial respiration if breathing stops. Seek medical attention if irritation or breathing difficulties persist. Ingestion: If swallowed, water or milk may be administered. Never give anything by mouth to an unconscious person. Seek medical attention if gastrointestinal symptoms develop or persist.

### 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: None Known. 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: Avoid entry of product into the sewage system or water streams. 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.

### 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 (fumes)

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: Amber

Odour: Slight Odour

Odour threshold: Not Available

pH @ 10%: 3.74

Melting point / Freezing point (°C): 1° C

Initial boiling point and boiling range (°C): 100° C

Flash point (°C): Not Applicable

Evaporation rate: <1

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 Available

Decomposition temperature: Not Available

Specific Gravity: 1.035

**Section 10: Stability and Reactivity**

Chemical stability under normal conditions: Stable.

If no, under what conditions: Avoid moisture and elevated temperatures.

Possibility of hazardous reactions: Normally stable.

Incompatible materials: Avoid contact with: Strong bases and strong oxidizing agents.

Reactivity and under what conditions: Normally Stable.

Hazardous decomposition products: None Known.

**Section 11: Toxicological Information****Hazardous Ingredients (Section 3):****LD50, (Oral)****LD50, (Dermal)****LC50, (Inhalation)**

This Product Contains No Hazardous Ingredients As Defined By GHS Regulation.

Effects of acute exposure

Skin Contact: Not Usually.

Skin Absorption: Not Applicable

Eye: Slight Irritation.

Inhalation: Not Usually.

Ingestion: Not Usually.

Effects of chronic exposure

Chronic Exposure Overview: Chronic effects include allergic reactions (headaches, difficulty breathing, rapid heart rate and anaphylaxis) in susceptible individuals. Under normal circumstances, no adverse reaction to this product is expected.

Skin Contact: Prolonged contact may result in slight irritation.

Skin Absorption: Not Applicable

Eye: Prolonged contact will result in irritation causing redness and tearing.

Inhalation: Prolonged exposure to mist may cause nasal discomfort.

Ingestion: Low oral toxicity. Ingestion of large quantities may result in nausea and vomiting.

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

Freeze at: 1° C

**Section 15: Regulatory Information**

This safety data sheet has been prepared in accordance with the GHS 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 or 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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