

Section 01: Identification

Product Name: HeatLink #01205 (Enercon EC-471)
Recommended Use: Boiler Water Treatment

HeatLink Group Inc.
4603E - 13th Street NE
Calgary, AB, T2E 6M3

Prepared By: Communication Dept.
Preparation Date: August 23, 2010

Enercon Water Treatment Ltd.
3606 - 6 Avenue North
Lethbridge, AB, T1H 5C4

Emergency Phone Number (Canutec): 613-996-6666

Section 02: Hazards Identification/Emergency Overview

Physical State:Liquid
WHMIS Classification:.....D2
Colour:Clear
Odour:.....Odourless
Hazard Statement: Avoid contact with acids, strong oxidizers and aluminum.



Section 03: Composition/Information on Ingredients

Ingredient	% Conc.	C.A.S. #
Sodium Molybdate	5 - 10	10102-40-6
Sodium Hydroxide	0.1 - 1	1310-73-2
Sodium Tolytriazole	0.1 - 1	64665-57-2

Section 04: First Aid Measures

- Skin: Flush skin thoroughly for at least 15 minutes. Remove contaminated clothing if necessary. 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, DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

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: Avoid contact with acids,

strong oxidizers and aluminum.
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 safehandling 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 (when fumes are present)
- 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
Odour:.....Bland
Odour threshold:Not Available
pH @ 1:300: 9.97
Melting point / Freezing point (°C): >5° C
Initial boiling point and boiling range (°C): >100
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: 1.055

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: acids, strong oxidizers and aluminum.
 Reactivity and under what conditions: Stable
 Hazardous decomposition products: Not Available.

Section 11: Toxicological Information

Hazardous Ingredients (Section 3):	LD50, (Oral)	LD50, (Dermal)	LC50, (Inhalation)
Sodium Molybdate	Not Available	Not Available	Not Available
Sodium Hydroxide	Not Available	1364 mg/kg (Rabbit)	Not Available
Sodium Tolytriazole	1980 mg/kg (Rat)	2000 mg/kg (Rabbit)	Not Available

Effects of acute exposure

Skin Contact: Slight Irritant
 Skin Absorption: Not Applicable
 Eye: Irritant
 Inhalation: Slight Irritant (when fumes or mist inhaled)
 Ingestion: Slight Irritant

Effects of chronic exposure

Chronic Exposure Overview: Chronic effects include allergic reactions (headaches, difficulty breathing, rapid heart rate and anaphylaxis) in susceptible individuals. Prolonged and repeated exposure can cause pneumonitis. Sulphite sensitive individuals may experience a severe allergic reaction.
 Skin Contact: Irritant. Prolonged contact could result in irritated skin.
 Skin Absorption: Not Applicable
 Eye: Irritant. Prolonged contact will result in irritation to eye tissue.
 Inhalation: Irritant. When present as fumes or mist, could

be irritating to nose and throat. May cause coughing and discomfort in chest.
 Ingestion: Irritant. Swallowing will cause irritation of throat and gastrointestinal tract.
 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 Required.
 Freeze at: -5° 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 or technical data sheet. No warranty of any kind is given or implied and HeatLink Group Inc. 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.