



HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0

Safety Data Sheet

LUBECORP HEATING/COOLING SYSTEM (H/CS) WATER TREATMENT

Section 1: Chemical Product and Company Identification

Product Name: LUBECORP HEATING/COOLING (H/CS) WATER TREATMENT
Product Identifier: WATER/PROPYLENE GLYCOL/CHEMICAL MIXTURE
Chemical Family: AQUA & PROPYLENE GLYCOL
Common Uses: HEATING/COOLING SYSTEM WATER TREATMENT
In Case of Emergency: LubeCorp Manufacturing 1-800-661-6100

Contact Information:

LubeCorp Manufacturing Inc.
 1010 72 Avenue N.E.
 Calgary, Alberta
 T2E 8V9
 Canada

Section 2: Hazards Identification

Physical State: Liquid	HMIS: Health	0
Odour: Clean & Fresh	Flammability	0
WHMIS Class: Not Controlled	Physical Hazards	0
T.D.G Class: Not Regulated	Personal Protection	0
IATA (AIR) Class: Not Regulated		
TARIFF NUMBER/(H.S. CODE): 3402.12.50.00		
Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.		
Potential Acute Health Effects		
Inhalation: No known significant effects or critical hazards.		
Ingestion: No known significant effects or critical hazards.		
Skin: No known significant effects or critical hazards.		
Eyes: No known significant effects or critical hazards.		
Potential Chronic Health Effects.		
Chronic Effects: No known significant effects or critical hazards.		
Carcinogenicity: Not listed as carcinogenic by OSHA, NTP or IARC.		
Mutagenicity: No known significant effects or critical hazards.		
Teratogenicity: No known significant effects or critical hazards.		
Developmental Effects: No known significant effects or critical hazards.		
Fertility Effects: No known significant effects or critical hazards.		
Medical conditions aggravated by overexposure: No known significant effects or critical hazards.		

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Section 3: Composition and Information on Ingredients

COMPONENTS	Identification	Classification	% by Wt.
1,2-Propylene Glycol	CAS no: 57-55-6 EC no: 200-338-0 REACH registration no: 01-2119456809-23	not classified not subject to labelling	15-40

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First Aid Measures

Inhalation: Non Toxic. Additional first aid treatment is not ordinarily required.

Ingestion: Non Toxic. Drink several glasses of water. Call physician if needed.

Eyes: Non Toxic. Flush eyes with water if needed. If irritation occurs consult physician.

Skin: Non Toxic. No irritation typically occurs. Wash skin with water if sensitivity occurs.

Section 5: Fire-fighting Measures

Flash Point (C.O.C) Non-flammable

Flammable Limits in Air, % by vol: N/A

Fire Extinguishing Substances: Foam, CO₂, Dry Chemical, Water Fog

Special Fire-fighting Procedures: Water or foam. Use water spray to cool fire exposed containers.

Water may be used to flush spills away from exposure.

Products of Combustion: Carbon oxides (CO, CO₂), water vapour

Special Remarks on Explosion Hazards: None

Section 6: Accidental Release Measures

Personal precautions: This product is not harmful. Follow Section 4. First Aid Measures.

Environmental Precautions: This product can be generally disposed into sewer. Consult your local authorities for confirmation of sewer disposal.

Methods of Cleaning

For small spills, clean up with absorbent material. Collect material in suitable and properly labeled open containers. For large spills, dike and pump into suitable and properly labeled containers.

Section 7: Handling and Storage

Handling: This material is non-toxic and does not require any special handling procedures.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight, away from incompatible materials (see Section 10). Separate from oxidizing materials. Do not store in unlabelled containers.

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Section 8: Exposure Controls and Personal Protection

Recommended monitoring procedures: None required.

Engineering measures: Keep away from the sources of electricity.

Hygiene Measures: Wash hands. Ensure that eyewash stations and safety showers are available.

Personal Protection

Ventilation: General room ventilation should be adequate at ambient or elevated temperatures or in covered equipment.

Respiratory Protection: None required.

Eye Protection: Glasses or goggles may be worn to protect eyes.

Skin protection: None required.

Other Protection: None required.

Section 9: Physical and Chemical Properties

Physical State: Liquid

Flash point: >100 °C

Flammable limits: N/A

Colour: Clear Blue Liquid

Odour: Clean & Fresh

pH: 8.6

Specific Gravity at 20° C: 1.040-1.045

Pour Point: <-20 °C

Solubility in Water % by wt: 100

Section 10: Stability and Reactivity

Chemical Stability: The product is stable.

Incompatibility (Materials to Avoid): None known. Avoid strong oxidizers.

Hazardous Decomposition Products: None produced.

Can Hazardous Polymerization Occur? Will not occur.

Section 11: Toxicological Information

TOXICITY DATA LC 50 LD 50 Ecotoxicity Classification = PRACTICALLY NON-TOXIC

LD 50 - ORAL: >20,000 mg/Kg (Rat)

LD 50 - DERMAL: >10,000 mg/kg (Rabbit)

CARCINOGENICITY: The materials in this product are not carcinogenic.

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Section 12: Ecological Information

Environmental effects: No known significant effects or critical hazards. This product is fully biodegradable in a biological waste water treatment plant.

LC50 – ACUTE AQUATIC: 148.3 mg/L (Rainbow Trout) “PRACTICALLY NON-TOXIC” (OECD 203)

EC50 > 1,000 mg/L 3 hour Biodegradability (OECD 209) (ASTM D-5864)

“Absolutely Non-Toxic to wastewater treatment plant bacteria”

Section 13: Disposal Considerations

This product is fully biodegradable in a biological waste water treatment plant.

All disposal methods must be in compliance with Federal, State/Provincial and local laws and regulations, and are the sole responsibility of the waste generator.

Section 14: Transport Information

T.D.G Class: Not Regulated

IATA (Air) Class: Not Regulated

TARIFF NUMBER/(H.S. CODE): 3402.12.50.00

Section 15: Regulatory Information

WHMIS Class: Not Controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. This MSDS was prepared in reference to Primary Supplier MSDS, Laboratory test results and analysis in conjunction with LubeCorp's experience and handling with this product.

Canada Inventory: All components are listed or exempted.

United States Inventory (TSCA): All components are listed or exempted.

Europe Inventory: All components are listed or exempted.

Section 16: Other Information

References: Available upon request.

Date of Issue: June 19, 2015

Responsible: Product Safety – LubeCorp Manufacturing Inc.

For Copy of MSDS: www.lubecorp.com 1-800-661-6100

Notice to reader: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state/provincial, and local laws.