

MATERIAL SAFETY DATA SHEET

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Date Prepared: April 17, 1998

SECTION I. PRODUCT IDENTIFICATION

Common Name: Luber-finer Lubercool II
Trade Name: Champion/Luber-finer liquid supplemental coolant additive (SCA)
Synonyms: Cooling Water Treatment Salt Complex in Aqueous Solution
DOT Shipping Name: Water treatment compound, liquid, NA1760
Part Numbers: 920005 (5 gallon pail)
920021 (16 ounce bottle)
920055 (55 gallon drum)
920064 (1/2 gallon bottle)

SECTION II. HAZARDOUS INGREDIENTS

Material	CAS No.	Wt %	Exposure Limits
Sodium Nitrite	7632-00-0	< 10	Not Established
Sodium Nitrate	7631-99-4	< 5	Not Established
Sodium Borate	1303-96-4	< 5	1 mg/m ³ TWA as B
Mercaptobenzo-thiazole	149-30-4	< 5	Not Established

HMS Codes: Health-1, Flammability-0, Reactivity-0
EPA Registration Number: None
IMCO Class: Not Applicable
DOT Hazard Class: Not Applicable

SECTION III. PHYSICAL DATA

Boiling Point: (water) 212°F
Freezing/Melting Point: 27°F
Specific Gravity/Density: 1.07-1.11(mg/L)
Vapor Density (Air = 1): > 1
% Volatiles by Volume: > 85%
Vapor Pressure: (water) 17.5 mm Hg
Solubility in Water: 100% (miscible)
Evaporation Rate (BuAc = 1): < 1
pH: > 9
Appearance: Clear, reddish-purple liquid
Odor: Mild

SECTION IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method): None
Autoignition Temperature: Not Applicable
Lower Explosive Limit (vol % in air): Not Applicable
Upper Explosive Limit (vol % in air): Not Applicable
Extinguishing Media: Water fog, alcohol foam
Special Firefighting Procedures:
Alkaline product - keep drums cool and intact.
Fire fighters should wear full protective gear.
Unusual Fire and Explosion Hazards: None

SECTION V. REACTIVITY DATA

Stability (normal conditions): Stable
Conditions to avoid: Excessive heat
Incompatibilities (materials to avoid):
Direct contact with strong acids and oxidizing agents.
Hazardous Decomposition Products:
Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.
Hazardous Polymerization: Will not occur.

SECTION VI. HEALTH HAZARD INFORMATION

Toxicity Information:
Exposure level not established for this product. See SECTION II for component information.
Effects of Overexposure:
Inhalation: Breathing of mists may irritate nasal and respiratory passages.
Ingestion: May cause irritation, nausea, vomiting, diarrhea.
Eye Contact: Direct contact will cause irritation.
Skin Contact: Prolonged or repeated contact may cause irritation.
Emergency and First Aid Procedures:
Inhalation: Remove affected persons to fresh air.
Ingestion: If conscious, drink two glasses of water or citrus juice to dilute and induce vomiting. Contact a physician.
Skin Contact: Wash exposed area with water. Remove and launder contaminated clothing before reuse.
Eye Contact: Flood eyes with water for at least 15 minutes and contact physician.

SECTION VII. SPILL & DISPOSAL PROCEDURES

Steps to Be Taken if Material Is Spilled or Released:
Wear protective clothing. Recover free liquid. Collect remaining spillage with absorbent material. Flush residues to drain with water. Check with local authorities before flushing large quantities to the sanitary sewer.
Waste Disposal Method:
Dispose of in accordance with all federal, state, and local regulations. Disposal of larger quantities may be reportable. Contact your state water pollution control agency for additional disposal information.

SECTION VIII. SPECIAL PROTECTION & PRECAUTIONS

Ventilation Requirements: Not normally required
Respiratory Protection: Not normally required
Eye Protection: Splash goggles recommended
Gloves: Alkali resistant (neoprene, etc.) recommended
Other Protective Clothing: To minimize skin contact
Handling & Storage Precautions:
Keep containers closed when not in use. Avoid prolonged skin contact. Wear proper protective gear when handling.
Other Precautions: For industrial use only. Keep out of the reach of children. Emptied containers may be hazardous.