

MATERIAL SAFETY DATA SHEET

Page 1 of 1

Champion Laboratories, Inc.
200 South 4th Street
Albion, IL 62806 USA

CHEMTREC (in U.S.) (800) 424-9300
CHEMTREC (outside U.S.) (703) 527-3887
Date Prepared: April 17, 1998
Date Revised: November 28, 2006

SECTION I - PRODUCT IDENTIFICATION

Common Name: Luberfiner Lubercool II
Trade Name: Champion/Luberfiner Liquid supplemental coolant additive (SCA)
Synonyms: Cooling Water Treatment Salt Complex in Aqueous Solution
Chemical Family: Alkali metal salts in water
DOT Hazard: Corrosive
UN/NA Number: UN3266
DOT Emergency Response Guide: #154
DOT Hazard Description: Corrosive Liquid, Basic, Inorganic, N.O.S., 8, UN3266, PGIII (Contains Sodium Hydroxide)
Catalog Numbers: 920005 (5 gallon pail)
920021 (16 ounce bottle)
920055 (55 gallon drum)
920064 (1/2 gallon bottle)

SECTION II - HAZARDOUS INGREDIENTS

Material	% Comp	TLV (Units)	CAS No.
Disodium Triozosilicate	5-10	ND	6834-92-0
Sodium Nitrite	3-5	ND	7632-00-0
Boric Acid Sodium Salt Tetrahydrate	1-3	ND	10555-76-7
2-Mercaptobenzothiazole	1-3	ND	149-30-4
Sodium Hydroxide	<1	2mg/m3	1310-73-2

SECTION III - PHYSICAL DATA

Specific Gravity (70F, 21C): 1.052
Freezing Point: 28F -2C
Viscosity (cps 70F, 21C): 10
Vapor Pressure (mmHg): ~ 18
Vapor Density (Air = 1): < 1.00
Solubility in Water: Complete
pH (as is): ~ 12.3
Flash Point P-M(CC): >200F >93C
Evaporation Rate (ether = 1): < 1.00
Physical State: Liquid
Odor: Slight
Appearance: Red

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method): >200F >93C P-M(CC)
Extinguishing Media: Flood with water. CO2 or Chemical foam may not be effective.
Special Firefighting Procedures: Wear self-contained breathing apparatus

SECTION V - REACTIVITY DATA

Stability: Stable under normal storage conditions.
Incompatibility (materials to avoid): May react with strong oxidizers.
Hazardous Decomposition Products: Thermal decomposition (destructive fires) yields elemental oxides.
Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

Ingredients Listed as a Carcinogenic in NTP, IARC, or OSHA (specify): None
Acute Effects of Overexposure
Eye Contact: Severe irritant to the eyes. May cause tearing.
Skin Contact: May be irritating to the skin.
Inhalation: May be irritating to the respiratory system.
Ingestion: May be fatal if swallowed.
Emergency and First Aid Procedures
Eyes: Flush at once with plenty of cool water for 15 minutes. Contact a physician.
Skin: Flush affected area with plenty of water. If irritation develops consult a physician.

SECTION VI CONT - HEALTH HAZARD DATA

Inhalation: Move victim to fresh air. If symptoms persist, consult a physician.
Ingestion: Seek medical attention immediately. Give large quantities of water to dilute. Never give anything by mouth to an unconscious person.

SECTION VII - SPILL OR LEAK PROCEDURES

Protection and Spill Containment:
Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Spread sand/grit.
Waste Disposal Method:
In accordance with federal, state, and local guidelines.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Local exhaust sufficient to maintain below T.L.V.
Recommended Personal Protective Equipment
Respiratory: A respiratory protection program that meets OSHA's 29CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Use air purifying respirators within the use limitations associated with the equipment or else use supplied air-respirators. If air-purifying respirator use is appropriate, use a respirator with dust/mist filters.
Eyes: Chemical Splash Goggles.
Gloves: Impervious.
Other Clothing and Equipment: Depending on degree of exposure.

SECTION IX - HANDLING AND STORAGE

Handling: Contains an oxidizer. Avoid all contact with reducing agents, oils, greases, organics and acids. Do not allow to dry.
Storage: Keep containers closed when not in use. Reasonable and safe chemical storage. Protect from freezing.

SECTION X - TOXICOLOGICAL INFORMATION

Oral LD50 Rat: > 2,000 mg/kg (estimated value)
Dermal LD50 Rabbit: > 2,000 mg/kg (estimated value)

SECTION XI - REGULATORY INFORMATION

TSCA: All components of this product are listed in the TSCA inventory.
CERLA and/or SARA REPORTABLE QUANTITY (RQ):
298 gallons due to Sodium Nitrite
100,000 gallons due to Sodium Hydroxide.
SARA SECTION 312 HAZARD CLASS:
Immediate (acute); Delayed (chronic)
SARA SECTION 302 CHEMICALS:
None
SARA SECTION 313 CHEMICALS:
CAS # Chemical Name Range
7632-00-0 Sodium Nitrite 2.0 - 5.0 %
149-30-4 2-Mercaptobenzothiazole 1.0 - 1.5 %
CALIFORNIA REGULATORY INFORMATION:
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT:
Phenolphthalein
MICHIGAN REGULATORY INFORMATION:
No regulated constituent present at OSHA thresholds

SECTION XII - NFPA / HMIS

Health	2	Moderate Hazard
Fire	1	Slight Hazard
Reactivity	0	Minimal Hazard
Special	None	pH above 12.0
Protective Equipment*	B	Goggles, gloves

* refer to section VIII of MSDS for additional protective equipment recommendations