

Section 1. PRODUCT AND COMPANY IDENTIFICATION

SDS ID: 40-23970-0000-00 Rev. 7

Product Name: Champion / Luberfiner Liquid Supplemental Coolant Additives (SCA's)

Catalog Numbers: **920021 (16 ounce bottle)** **920064 (1/2 gallon bottle)**
 920005 (5 gallon pail) **920055 (55 gallon drum)**

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

TRANSPORTATION EMERGENCY PHONE NUMBER (Chemical Spills and Transport Accidents only):
CHEMTREC 1-800-424-9300 (in the US) +1-703-527-3887 for International Calls

SDS Date of Preparation: 10/21/14



Product Use: Cooling system additive for trucks

Section 2. HAZARDS IDENTIFICATION

GHS / HAZCOM 2012 Classification:

Health	Physical
Eye Corrosion Category 1 Skin Corrosion Category 1 Skin Sensitizer Category 1	Not Hazardous

Label Elements

DANGER!
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

Prevention:
P260 Do not breathe dusts or mists.
P264 Wash exposed skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves, protective clothing, eye protection, and face protection.

Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313 If skin irritation or rash occurs: Get medical attention.

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P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local and national regulations

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Sodium Nitrite	7632-00-0	1-5
Sodium mercaptobenzothiazole	7757-79-1	1-5
Disodium tetraborate, anhydrous	1330-43-4	0.1-1.0

The exact concentrations are a trade secret.

Section 4. FIRST AID MEASURES

Eye: Immediately flush eyes cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash contacted area thoroughly with soap and water. If irritation persists, get medical attention.

Ingestion: Do NOT induce vomiting. Call local poison control center or go to an emergency department. If person is conscious, have them rinse their mouth with water. Never give anything by mouth to or induce vomiting in an unconscious or drowsy person.

Inhalation: Remove the victim to fresh air. If breathing has stopped administer artificial respiration. If breathing is difficult, have medical personnel administer oxygen. Get medical attention.

Most Important Symptoms: Corrosive. May cause severe irritation or burns to eyes and skin. May cause an allergic skin reaction. Ingestion may cause burns to the digestive tract. Inhalation of mists may cause damage to lungs.

Indication of Immediate Medical Attention and Special Treatment, If Needed: Seek immediate medical attention for eye contact, ingestions, and severe skin burns.

Notes to Physicians: The principal toxic effects of sodium nitrite poisoning are vasodilation and/or methemoglobinemia. Hypotension with syncope and tachycardia are common findings. Coronary vasospasm due to acute withdrawal may be seen. Paradoxical bradycardia may occur rarely. Coronary ischemia and cerebrovascular disease can occur due to severe hypotension. Immediate life support measures should be provided because of associated hypotension, seizures, and methemoglobinemia-induced anoxia. Immediately contact a poison center or hospital emergency department for treatment advice.

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Section 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use any media that is appropriate for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising From the Chemical: Containers heated by fire may burst. Hazardous decomposition products may include oxides of carbon, nitrogen, sulfur, and phosphorus.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Keep unnecessary or unprotected personnel away. Do not touch or walk through spilled material. Ventilate the area. Wear appropriate protective clothing and equipment (See Section 8).

Methods and Materials for Containment / Cleanup: Stop leak if it is without risk. Collect with absorbent material and place in appropriate, labeled container for disposal. Avoid dispersal of spilled material and runoff; and contact with soil, waterways, drains, and sewers.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent eye and skin contact. Do not breath vapors or mists. Wash exposed skin thoroughly with soap and water after use. Use only with adequate ventilation. Remove contaminated clothing and launder before re-use. Keep containers closed when not in use.

Do not reuse empty containers unless properly cleaned. Empty containers retain product residue and may be dangerous. Do not cut, weld, drill, etc. containers, even empty.

Conditions for Safe Storage, Including Any Incompatibilities: Store away from oxidizers in a cool, dry, well-ventilated area. Do not store in opened or unlabeled containers. Keep containers closed when not in use.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Chemical	Exposure Limit
Sodium Nitrite	None Established
Sodium mercaptobenzothiazole	None Established
Disodium tetraborate, anhydrous	2 mg/m ³ ACGIH TLV (Inhalable)
	6 mg/m ³ ACGIH STEL (Inhalable)

Appropriate Engineering Controls: General ventilation is adequate for normal use.

Personal Protective Equipment

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Respiratory Protection: None normally needed. For operations where exposures are excessive, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Skin Protection: Chemical resistant gloves such as neoprene or PVC where contact is possible.

Eye Protection: Splash-proof goggles.

Other Protective Equipment / Clothing: Appropriate protective clothing as needed to minimize skin contact.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red clear liquid	Odor: Mild
Odor Threshold: Not Determined	pH: 10.8 – 11.8
Melting/Freezing Point: Not Determined	Boiling Point/Range: Not Determined
Flashpoint: >200°F (>93.3°C)	Evaporation Rate: Not Determined
Flammability (Solid, Gas): Not applicable	Flammable Limits: LEL: Not Determined UEL: Not Determined
Vapor Pressure: Not Determined	Vapor Density (Air = 1): Not Determined
Relative Density: 1.04 – 1.06	Solubility In Water: Complete
Partition Coefficient (n-octanol/water): Not determined	Autoignition Temperature: Not Determined
Decomposition Temperature: Not determined	Viscosity: Not Determined

Section 10. STABILITY AND REACTIVITY

Reactivity: Normally unreactive

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None expected under normal use conditions.

Conditions to Avoid: None known.

Incompatibility Materials: Avoid strong oxidizing agents and acids.

Hazardous Decomposition Products: Decomposition products may include oxides of carbon, nitrogen, sulfur, and phosphorus.

Section 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Acute Hazards:

Ingestion: Causes burns to mouth and throat. May cause abdominal discomfort or pain. Swallowing sodium nitrite causes the formation of methemoglobin in the blood which may result in cyanosis, lowering of blood pressure, rapid heartbeat and severe headache. Doses as low as 14 mg/kg have been reported to cause toxic effects.

Inhalation: May cause irritation of the nose and throat, particularly from mists.

Eye Contact: Causes severe eye irritation with possible damage.

Skin Contact: May cause severe skin irritation with possible burns.

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Chronic Effects: No data available.

Carcinogenicity Listing: None of the components of these products at 0.1 % or greater is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values:

Calculated ATE for Product:	ATE Oral: >57,000 mg/kg
Sodium Nitrite:	Oral Rat LD50 - 180 mg/kg Inhalation Rat LC50 - 5.5 mg/m ³ /4hr.
Disodium tetraborate:	Oral Rat LD50 - 2660 mg/kg Skin Rabbit LD50 - >1055 mg/kg Inhalation Rat LC50 - >2 mg/m ³ /4hr.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Sodium Nitrite:	LC50: Western mosquitofish, female 1.5 mg/L/ 96 hr. LC50: Daphnia magna 8.3 mg/L /96 hr.
Disodium tetraborate:	LC50 Gambusia affinis (Western mosquitofish) 104 mg/L/96 hr. LC50 Daphnia magna (Water flea) 141 mg /L/48 hr.

Persistence and Degradability:

Sodium Nitrite:	Does not volatilize, and is likely to remain in water until consumed by plants or other organisms.
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Bioaccumulative Potential:

Disodium tetraborate:	BCF 121 this BCF suggests the potential for bio concentration in aquatic organisms is low.
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Mobility in Soil:

Disodium tetraborate:	Adsorbed by mineral portion of soil. Slowly leached.
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Other Adverse Effects: May be harmful to aquatic life with long lasting effects.

Section 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal environmental regulations.

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Section 14. TRANSPORT INFORMATION

U.S. DOT HAZARD CLASSIFICATION: Not Regulated

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR171.8.

IMDG CODE SHIPPING CLASSIFICATION: Not Regulated

CANADIAN TDG CLASSIFICATION: Not Regulated

IATA INTERNATIONAL AIR TRANSPORT ASSOCIATION: Not Regulated

Section 15. REGULATORY INFORMATION

CERCLA: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Sodium nitrite (5% maximum) of 100 lbs, is 2,000 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65: Phenolphthalein CAS: 77-09-8 At less than 0.1%

SARA Hazard Category (311/312): Acute Health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Sodium Nitrite	7632-00-0	30-60%
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EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA: This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

Canadian WHMIS Classification: Class D - Division 2 - Subdivision B - (Toxic material causing other chronic effects)



Canadian WHMIS Hazard Symbol:

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List.

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Section 16. OTHER INFORMATION

Ratings for filter contents:

NFPA Rating: Health = 3. Fire = 0 Instability = 0

HMIS Rating: Health = 3 Fire = 0 Physical Hazards = 0

Revision Summary: All Sections – conversion to Hazcom 2012 classification and labeling and format.

SDS Date of Preparation / Revision: October 21, 2014

Disclaimer of Liability:

The information contained herein is based on the data available to us and, is to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we assume no liability for damages incurred by use of this material. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. Users of this product should satisfy themselves that the conditions and methods of use assure the product is used safely. No representatives or warranties, either expressed or implied, or any nature are made hereunder with respect to the information contained within. It is the responsibility of the user to comply with any and all federal, state or local laws and regulations that may exist. Nothing contained herein is to be construed as a recommendation for use in violation of any applicable laws or regulations.