



SPECIALIZED LUBRICANTS

1. Substance/Product Identification

Product Name: Coolant Conditioner

Company/Address: Schaeffer Mfg
102 Barton St
St. Louis, Mo 63104

Synonyms: None

Preparation/Revision Date: January 21, 2010

Product Use/Type: Metalworking Fluid Additive

Emergency Phone Number: +1 314 865-4105 (24-hour response number)
+ 1 314 865-4100 (Business hours 8:30AM-5:00PM)
1-800-325-9962 (US & Canada)

Website: www.schaefferoil.com

MSDS Number: 811 version 1

2. Hazards Identification

Appearance: Neat product is clear yellow

Odor: Mild

Principal Hazards: Eye, skin and inhalation irritation

Hazardous Materials Information System

(U.S.A)

Health: 3

Fire: 0

Reactivity: 1

National Fire Protection Agency System

(U.S.A.)

Health: 3

Fire: 0

Reactivity: 1

See Section 11 for complete health hazard information

Product Name: 811 Coolant Conditioner

3. Composition and Information on Ingredients

Hazardous Ingredients

Ingredient Name	CAS No.	EU Number	Percentage (by wt.)
2((Hydroxymethyl)Amino)Ethanol	34375-28-5	251-974-0	70-80

4. First Aid Measures

Ingestion: Immediately flush eyes with water for at least 15 minutes. Seek medical attention immediately. If ingested do not induce vomiting.

Eyes: Remove contaminated clothing and launder before reuse. Wash skin with large amounts of soap and water. Seek medical attention if irritation develops.

Inhalation: Do not induce vomiting. Do not administer anything by mouth to an unconscious person. If conscious offer water to drink. Seek medical attention immediately.

Skin: Remove victim to fresh air and administer oxygen if needed, If upper respiratory tract irritation, headache, nausea, or drowsiness occurs remove to fresh air. Get immediate medical attention if breathing becomes difficult or symptoms persist.

Additional Information: None

5. Fire Fighting Measures:

Flash Point: Not Applicable aqueous solution

Extinguishing Media: After water evaporates, residue can burn. Carbon dioxide foam, dry chemical foam, water spray or foam.

Firefighting Procedures: As in any fire wear a self contained breathing apparatus pressure demand, MSHA/NIOSH (Approved or Equivalent) and full protective gear.

Unusual Fire & Explosion: None expected

Hazards: Not Determined

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6. Accidental Release Measures

Spill Procedures and Clean up methods: Use absorbent materials to contain spill. Collect used absorbent material and discard as dictated by Federal, State and local laws and regulations. Keep out of sewers and watercourses

Personal Precautions: Wear appropriate Personnel Protective Equipment to mitigate exposure to the product during clean-up

Environmental Precautions: None currently known

7. Handling & Storage

Handling: Avoid all contact of product with eyes and skin. Wash thoroughly after handling and before eating, smoking or using toilet facilities. Do not swallow or inhale vapors. Do not eat, drink or smoke in work areas.

Storage: Do not store product concentrate at elevated temperatures. Do not store near food or feed products. If product is frozen the stability can be compromised. Thaw completely and evaluate.

8. Exposure Controls and Personal Protection

Occupational Exposure Limits

Ingredient	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
2((Hydroxymethyl)Amino)Ethanol	N/E	N/E	N/E	N/E

(s)-Skin exposure

(p) proposed limit

(c) – Ceiling limit

(l) Recommended exposure limit

(u) supplier limit

(N/E) – not established

Other Exposure Limits

Engineering Controls: In general normal shop ventilation is adequate. In instances when high mist levels occur or when machines are placed close together splash guards and/or mist collectors are recommended to avoid the possibility of respiratory irritation.

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Personal Protective Equipment

Gloves: Impervious gloves such as latex or nitrile are highly recommended

Protective Clothing: Chemical impervious apron

Eye Protection: Chemical goggles or face shield

Respiratory Protection: IN APPLICATIONS CONTAINING TIME WEIGHTED EXPOSURES (0.5 TO 5 mg/m³) NIOSH RECOMMENDS THAT INHALATION CAN BE REDUCED THROUGH IMPROVED VENTILATION OR A MIST COLLECTION PROCESS. IN THE EVENT THAT THESE METHODS ARE NO APPLICABLE NIOSH RECOMMENDS THE USE OF AN AIR PURIFYING HALF-MASK RESPIRATOR, STANDARD OR DISPOSABLE, EQUIPPED WITH ANY P OR R SERIES PARTICULATE FILTER. IF CONTINUOUS EXPOSURE EXCEEDS 5 mg/m³, IT IS HIGHLY RECOMMENDED BY NIOSH TO USE AN AIR-PURIFYING RESPIRATOR EQUIPPED WITH A HOOD OR HELMET AND A HEPA FILTER. IF PERSISTENT RESPIRATORY PROBLEMS OCCUR WHEN MIST LEVELS ARE LESS THAN 0.5 mg/m³ IT IS THEN THE INDIVIDUALS RESPONBSIBILITY TO GET A RECOMMENDATION FROM A QUALIFIED HEALTH CARE PROVIDER FOR PERSONALIZED RESPIRATORY PROTECTION.

WARNING: THE PROPER USE AND TYPE OF RESPIRATOR IS THE RESPONSIBILITY OF USER AND IS DEPENDANT ON THE PRODUCT AND OPERATING CONDITIONS

9. Physical and Chemical Properties

Flash Point: Not applicable aqueous solution

Specific Gravity: 1.185 +/- 0.02

Upper Flammable Limit (UEL): Not applicable

Lower Flammable Limit (LEL): Not applicable

Vapor Pressure: Not Determined

Vapor Density (air =1): Not Determined

Percent Volatile: Nil

Evaporation Rate: Like water when concentrate is diluted

pH (5% solution): 9.3 +/- 0.5

Boiling Point: Not Determined

Melting Point: Not applicable

Appearance: Clear Yellow

Odor: Mild

Solubility in Water: Completely Soluble

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise specified

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10. Stability and Reactivity

Stability: Stable under normal conditions

Materials to Avoid: Strong Acids, bases and oxidizers

Polymerization: None expected to occur

Thermal Decomposition: Not determined

Conditions to Avoid: Use as directed

11. Toxicological Information:

Routes of Exposure: Skin, eyes, ingestion and inhalation

Target Organs: Skin, eyes and upper respiratory tract

Acute Exposure

Ingestion: Not likely to be toxic. May cause irritation to the mouth, throat or stomach, nausea, diarrhea or vomiting. If ingested do not induce vomiting

Eye Contact: May cause severe irritation (tears, blurred vision and redness)

Skin Contact: Concentrate may cause skin to be irritated. Prolonged exposure of this material may cause moderate skin irritation. May cause drying and defatting of the skin. Skin irritation can also occur when diluted product becomes contaminated with certain oils, dissolved metals or when diluted mix ratio is too strong.

Inhalation: Concentrate will not produce vapors unless heated to temperatures above 300°F (149°C). Inhalation of diluted mix can occur in applications where high mist levels are generated can cause irritation of the upper respiratory tract. OSHA has set a Permissible Exposure Limit of 15 mg/m³ for any airborne particulate as a nuisance level of exposure. NIOSH has set a Recommended Exposure Limit of 0.5 mg/m³ for metalworking fluid mist.

Dermal Sensitization: Product is considered to be a dermal sensitizer

Inhalation Sensitization:

Carcinogenicity: Product does not contain any components listed by ACGIH, IRAC, NIOSH, NTP or OSHA

Additional Toxicological Information:

No data available to indicate the product or any of its components are present at greater than 0.1% are mutagenic, genotoxic or teatogenic.

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12. Environmental and Ecological Information

Ecotoxicity

This material is not expected to be harmful to aquatic life

Environmental Fate: Not known or expected under normal use

Biodegradation: Not established

Bioaccumulation: Not established

Water Class Hazard (Germany): Not established

13. Disposal Considerations

Waste Handling and Disposal: This product in its neat state when discarded or disposed of is not a hazardous waste according to Federal Regulations 40CFR 261.4 (b)(4). Dispose of product in accordance with all applicable Federal, State and local laws and regulations. Do not re-use empty containers.

14. Transport Information

US DOT Classification Non-Bulk: Not regulated Non-Hazardous

US DOT Classification Bulk: Not Regulated Non-Hazardous

IMDG Classification: Not Regulated Non-Hazardous

IATA/ICAO Classification: Not Regulated Non-Hazardous

15. Regulatory Information

Hazard Symbols



Irritant

R36 – irritating to eyes R43 may cause sensitization by skin contact

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US Regulations

TSCA Inventory: All of the components in this material are on the US TSCA Inventory or are exempt.

State of California Proposition 65: This product does not contain any of the chemicals that are listed on the State of California's Proposition 65 List as potential cancer causing agents or reproductive toxins

US EPA SARA Title III and CERCLA Listings and Reportable Quantities

This product does not contain greater than 1% of any chemical substance listed under the SARA Title III Section 313, CERCLA's 302/304 and 102(a) Lists

US EPA Section 311/313 Classifications

Not applicable

US EPA Section 313 Chemicals

None

US Tariff Heading Number: 3403.99.0000

Schedule B Number: 3403.99.0000

Other Regulations:

Canada: All of the ingredients of this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List

Canadian WHMIS Classifications and Symbols:

EEC: All components are in compliance with the EC Seventh Amendment Directive 92/32/EEC

16. Other Information

For additional information call +1 314-865-4100 (outside the US and Canada) or 1-800-325-9962 inside the United States and Canada.

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.**