

Material Safety Data Sheet

Revision Date 28-Oct-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DL1360 05
Product name COOL HEAD I
Recommended Use Lubricant

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Irritating to eyes.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Eyes.

Potential health effects

Eyes May cause the following effects: Moderately irritating to the eyes. Reddening. Tearing. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

Skin Prolonged skin contact may cause skin irritation and/or dermatitis.

Inhalation No hazard under normal industrial and institutional use.

Ingestion No hazard under normal industrial and institutional use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Triethanolamine	102-71-6	10-30
Sodium Tetraborate Pentahydrate	12179-04-3	1-5
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	1-5
Sodium Sulfonate Mixture	78330-12-8	1-5
Sodium O-Phenylphenate	Mixture	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.

Ingestion Do Not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

Inhalation Remove to fresh air.

5. FIRE FIGHTING MEASURES

Flash point °C Not Applicable
Flash point °F Not Applicable
Method Not Applicable

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media
Carbon dioxide (CO2). Dry chemical. Foam.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards
Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Soak up with inert absorbent material. Place in suitable container for disposal as hazardous waste.

7. HANDLING AND STORAGE

Handling
Thoroughly wash hands and exposed skin after handling. This product contains alkanolamines, which when mixed with nitrate-containing materials, may cause the formation of nitrosamines, a suspected carcinogen.

Storage

Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Triethanolamine	-	-	5 mg/m ³	-
Sodium Sulfonate Mixture	-	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Sodium Tetraborate Pentahydrate	-	-	2 mg/m ³	6 mg/m ³
Sodium O-Phenylphenate	-	-	-	-

Ventilation and Environmental Controls

Provide general exhaust ventilation.

Hygiene measures

Wash hands before eating or using the washroom.

Respiratory protection

Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved respirator.

Hand Protection

Chemical resistant gloves. Gloves are recommended for individuals with skin sensitivities. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection

ANSI approved safety glasses are recommended when accidental eye contact is possible. Wear safety glasses with side shields. Face shield is recommended.

Skin and body protection

Apron.

Other Protective Equipment

A safety shower and eye wash station should be available for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Blue
Odor	Mild
Odor Threshold	Not Applicable
pH	9.5
Specific Gravity	1.0243
Vapor pressure	< 0.1mmHg
Vapor density	>Air

Evaporation Rate

<1 (Butyl Acetate = 1)

Viscosity

< 200 sus

Water solubility

Soluble in water

VOC Content

0

Partition Coefficient (n-octanol/water)

Not Applicable

Boiling point/range °C

100

Boiling point/range °F

212

Melting point/range °C

0

Melting point/range °F

32

Flash point °C

Not Applicable

Flash point °F

Not Applicable

10. STABILITY AND REACTIVITY**Stability**

Stable under recommended storage conditions.

Conditions to avoid

No information available

Incompatibility

Strong oxidizing agents. Reducing agents. Alkalies. Nitrates.

Hazardous Decomposition Products

Carbon monoxide. Unidentifiable organic compounds.

Polymerization

None under normal processing.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Triethanolamine 102-71-6	4190 mg/kg	20 mL/kg	-
Sodium Sulfonate Mixture 78330-12-8	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	28710 mg/kg	-	-
Sodium Tetraborate Pentahydrate 12179-04-3	-	-	-
Sodium O-Phenylphenate Mixture	-	-	-

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity	None known
Mutagenic effects	None known
Teratogenic effects	None known
Reproductive toxicity	None known
Target Organ Effects	See Section 2
Carcinogenic effects	See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Triethanolamine	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Sulfonate Mixture	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Tetraborate Pentahydrate	A4	Not Listed	Not Listed	Not Listed	Not Listed
Sodium O-Phenylphenate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Triethanolamine

Microtox Data

Pseudomonas putida EC50>10000 mg/L (30 min)

Petroleum distillates, hydrotreated heavy naphthenic

Water Flea Data

Daphnia magna EC50>1000 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Emptied container retains product residue. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Triethanolamine	Not Listed	Listed	Not Listed
Sodium Sulfonate Mixture	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Sodium Tetraborate Pentahydrate	Not Listed	Not Listed	Not Listed
Sodium O-Phenylphenate	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Triethanolamine	X	X	-	X
Sodium Sulfonate Mixture	-	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Sodium Tetraborate Pentahydrate	-	-	-	-
Sodium O-Phenylphenate	-	-	-	-

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

HMIS

Health - 1
Flammability - 0
Physical Hazard - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.