

IDENTITY (As used on Label and List)

CHEM-CREST 400-L

Note: Synthetic formulation designed specifically for the lubrication of precision parts, including but not limited to firearms, weapons, chain drives, bearings, and other precision metal parts.

Section I – Product and Company Identification

Supplier:
CREST ULTRASONICS CORPORATION
SCOTCH ROAD, TRENTON MERCER AIRPORT
TRENTON, NJ 08628, UNITED STATES OF AMERICA
www.crest-ultrasonics.com

Emergency Telephone Number
(800) 424-9300 (Chemtrec) or (703) 527-3887 outside the US
Telephone Number for Information
(609) 883-4000

Last update: 02 April 2014

Section II – Hazards Identification**Appearance** – Pale yellow to amber viscous liquid, aromatic odor**GHS Classification:**

Aspiration hazard (Category 1)
Acute toxicity, oral (Category 5)
Acute aquatic toxicity (Category 2)
Eye irritation (Category 2A)
Skin irritation (Category 3)

**Pictogram:****HMIS Classification:** Health: 1 Fire: 1 Physical: 0**NFPA Rating:** Health: 1 Fire: 1 Reactivity: 0**Signal Word:** Warning**Hazard Statements:**

H303: May be harmful if swallowed
H402: Harmful to aquatic life

Precautionary statements:

P301 + P310: If swallowed: Immediately call a Poison Control Center or doctor/physician
P331: Do not induce vomiting
P280: Wear protective gloves / protective clothing / eye protection / face protection
P305 + P351 + P338: If eyes are exposed: Rinse continuously with water for 15 minutes minimum, ensuring to remove contact lenses if present and easy to do.

Recommended Personal Protective Equipment:

PVC-lined, neoprene, nitrile rubber, or polyethylene gloves, chemical splash goggles, and use good handling practices. Wear face guard and chemical apron when appropriate, as well as long pants and boots. Avoid splashing and spilling. Eye wash should be available in area. Wash hands before handling food after using any chemical.

Section III – Composition / Information on Ingredients

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	EC#	C.A.S. #
COMPONENTS:	% ACTIVE		
PARRAFINIC HYDROCARBON, PROPRIETARY MIX	90-97%	240 mg/m ³ (NIOSH 8-hr TWA)	PROPRIETARY BLEND
NONYLPHENOXY POLY(ETHYLENEOXY)ETHANOL	2-3%	N/A	500-209-1 68412-54-4
POLYDIMETHYLSILOXANE	1-2%	N/A	N/E 63148-62-9

Section IV – First Aid Measures

General Advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Never give anything to an unconscious person.

Contact with eyes:

Flush with water for at least 15 minutes, lifting upper and lower lids occasionally. See a physician if irritation persists.

If swallowed:

Give 2-3 glasses of fresh water or milk. Do NOT induce vomiting. See a physician.

If inhaled:

Remove to fresh air. Give oxygen if necessary. No specific treatment should be necessary.

Skin contact:

Wash off with plenty of soap and water. Launder all contaminated clothing before reuse.

Section V – Fire-fighting Measures

Suitable extinguishing media:

Alcohol-resistant foam, dry chemical, carbon dioxide.

Protective equipment for fire-fighters:

Must use self-contained breathing apparatus (SCBA), eye protection. Vapors are heavier than air, and can travel considerable distances, and flash back. Vapor-air mixtures are explosive.

Flash Point:

95.6°C / 204°F

Section VI – Accidental Release Measures

In case of a leak or spill:

Completely isolate the area of the leak or spill. Remove all non-necessary personnel from the area. Dyke the spilled material with sand, earth, or absorbent material. Soak up or suction material to drums, following all recommendations in Section VIII – Personal Protective Equipment of this MSDS. If possible, avoid all draining to sewage and waterways. Material is slippery. Do not discharge into water ways or sewer system.

Section VII – Handling and Storage

Handling of material:

Avoid contact with eyes, skin, clothing, and other exposed areas of the body. Avoid inhalation of vapor or mist. Use SCBA fire-fighting purposes. Eye wash and safety shower should be available in area where product is used. Ensure use of proper personal protective equipment when handling any chemical.

Storage of material:

Keep material in container, tightly closed, in a dry environment. Do not allow to freeze. Follow all appropriate grounding and bonding procedures during use of any chemical. Follow all appropriate lockout / tag out procedures in all areas. Do not allow access of unauthorized personnel to chemical storage areas. Observe all local, state, and federal regulations. Material may be repackaged in steel, poly, or aluminum containers. Material should be kept over secondary containment in case of spill as material is slippery, and should not be discharged to water ways or sewer system. Storage temperature 15-49°C.

Section VIII – Exposure controls / Personal Protective Equipment

Engineering Controls:

In areas where deemed necessary, investigate all engineering controls and techniques in order to reduce risk of exposure to any chemical. Provide necessary ventilation. If necessary, use local exhaust ventilation at sources of air contamination. Consult ACGIH ventilation manual or NFPA Standard 91 for exhaust system designs.

Face and Eye Protection:

The use of chemical splash / safety goggles is highly recommended, along with accessibility to eye wash stations and safety showers. If necessary, provide workers with chemical full-face shields and/or SCBA. Any long hair should be firmly held behind or on top of the head to avoid exposure.

Skin Protection:

The use of chemically-resistant clothing and PVC-lined, latex, or Nitrile gloves is highly recommended for use with this product. Consult with glove manufacturers for a list of gloves acceptable for use with any chemical. If necessary, wear full-face shield and rubber aprons with use of chemicals. Launder all clothing that has been exposed to chemicals before reuse.

Respiratory Protection:

Avoid inhalation of vapor from product. When exposure limits in a given area exceed set values, use NIOSH approved

Section VIII – Exposure controls / Personal Protective Equipment (con't)

respiratory protection. Consult with respiratory protection equipment manufacturer for types of equipment suitable for each chemical. Respiratory protection must comply with 29 CFR 1910.134. When emergency conditions are presented, evacuate areas affected and use appropriate safety measures for respiratory protection such as, but not limited to, self-contained breathing apparatus, air-line respirator, full-face respirator, or other approved methods for each given chemical.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday, and after use of chemicals before any other activity.

Section IX – Physical and Chemical Properties

Appearance / Odor	Pale yellow to amber clear, viscous liquid, aromatic
pH (100%)	N/A
Specific Gravity	0.85 ± 0.10
Vapor Pressure	N/E
Vapor Density	3.4
Freezing Point	<32°F
Boiling Point:	>300°F
Solubility in Water	complete
Flash Point	204-208°F (concentrate, closed cup)
Evaporation Rate (butyl acetate = 1)	N/A

Section X – Stability and Reactivity

Stability	Unstable		
	Stable	X	This chemical should be stable under normal operating use conditions

Incompatibility (Materials to Avoid): Ignition sources, strong acids, strong oxidizing agents at high temperatures

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide

Hazardous Polymerization	May Occur		
	Will Not Occur	X	This chemical will not undergo hazardous polymerization under anticipated normal operating conditions

Section XI – Toxicological Information

Acute Toxicity:

No data available

Carcinogenicity:

No component of this product at levels of greater than 0.1% is identified as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

Teratogenicity:

No data available

Specific Target Organ Toxicity – single or repeated exposure (GHS)

No data available

Section XII – Ecological Information

No data available. Material is acutely toxic to aquatic life, and should not be discharged to sewer.

Section XIII – Waste Disposal

Incinerate, or bury as solid after absorption on cementation in a licensed facility. Do not discharge into water ways of sewer system. Always dispose of all chemicals via State, Local, and Federal Regulations. D001. This product is not believed to be biodegradable.

Any processing done with the use of this chemical in which any substances are added to this material may make this waste management information inaccurate. Local laws must always be consulted when considering waste disposal.

Section XIV – Transportation Information

US Department of Transportation (DOT)

(non-bulk)

Non-hazardous, not regulated

(bulk - >115 gallons in single container)

Combustible liquid, N.O.S. (Contains petroleum naphta), 3, NA1255, Guide # 128

ICAO/IATA

Non-hazardous, not regulated

IMDG

Non-hazardous, not regulated

Harmonization Code

3403990000

Section XV – Regulatory Information

OSHA Hazard Communication Standard

This product contains "Hazardous Chemicals" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Combustible liquid.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Fire hazard, acute health hazard (eyes)

SARA Title III, section 313

No chemical contained in this product above de minimus concentrations are subject to regulation under SARA Title III, section 313.

TSCA Section 8(b)

All of the components of this product are listed on the TSCA Inventory.

CERCLA Reportable Quantities

None at quantities of <1,000,000 gallons.

New Jersey, Pennsylvania, and Massachusetts Right to Know Act Listed Components

Hydrocarbon, CAS# 64742-43-4

Hydrocarbon, CAS# 64742-47-8

Hydrocarbon, CAS# 64742-58-1

Hydrocarbon, CAS# 8042-47-5

Polydimethylsiloxane, CAS# 63148-62-9

Nonylphenoxy poly(ethylenoxy)ethanol, 68412-54-4

Section XVI: Other Information

Chem Crest Chemical MSDS are available on via website, <http://www.crest-ultrasonics.com>

Section XVI: Other Information (con't)

MSDS Prepared by: Charles P. Kaczorek, Technology Department Manager

Date of preparation: 02 April 2014

Legend:

N/A – Not Available

N/E – Not Established

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