

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** RHEOLUBE 380-G1  
**Revision date** 04-14-2009  
**Product use** Lubricating Grease  
**Manufacturer information** Nye Lubricants, Inc.  
 12 Howland Road  
 Fairhaven, MA 02179 US  
 508-996-6721  
 www.nyelubricants.com  
**Emergency** CHEMTREC 1-800-424-9300

## 2. Hazards Identification

**Emergency overview** May be ignited by heat, sparks or flames. Contact with eyes may cause irritation. Prolonged and/or repeated skin contact may result in mild irritation or redness.  
**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).  
**Potential health effects**  
**Routes of exposure** Eye contact. Skin contact.  
**Eyes** Contact with eyes may cause irritation.  
**Skin** Prolonged and/or repeated skin contact may result in mild irritation or redness.  
**Inhalation** Health injuries are not known or expected under normal use.  
**Ingestion** Health injuries are not known or expected under normal use.  
**Target organs** Eyes. Skin.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
ZINC ALKYLARYLSULFONATE	28016-00-4	1 - 2.5
Non-hazardous and other components below reportable levels		> 90

## 4. First Aid Measures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.  
**Skin contact** Wash off with soap and water. Get medical attention if symptoms occur. Wash clothing separately before reuse.  
**Inhalation** If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention.  
**Ingestion** If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.

## 5. Fire Fighting Measures

**Suitable extinguishing media** Carbon dioxide (CO2). Dry chemical. Foam.  
**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.  
**Hazardous combustion products** Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of phosphorus. Oxides of sulfur. Acrolein. Formaldehyde. Aldehydes. Ketones.

**Protective equipment and precautions for firefighters**

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Use water spray to cool unopened containers. Move containers from fire area if you can do it without risk.

**6. Accidental Release Measures**

**Personal precautions**

Observe precautions from other sections. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

**Methods for containment**

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

**Methods for cleaning up**

Soak up with inert absorbent material. Clean contaminated surface thoroughly. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.

**7. Handling and Storage**

**Handling**

Do not handle or store near an open flame, heat or other sources of ignition. Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Avoid contact with eyes. Avoid prolonged or repeated skin contact with this material. Wash thoroughly after handling. Avoid breathing gas/vapors/mist/fumes. Do not take internally. Do not taste or swallow.

**Storage**

Keep away from heat and sources of ignition. Store in cool place. Store in a closed container away from incompatible materials.

**8. Exposure Controls / Personal Protection**

**Exposure limits**

**ACGIH**

None available

**OSHA**

None available

**Engineering controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Eye / face protection**

Wear safety glasses; chemical goggles (if splashing is possible).

**Skin protection**

Wear nitrile, neoprene, PVC or viton gloves. Wear suitable protective clothing.

**Respiratory protection**

No personal respiratory protective equipment normally required. An air purifying respirator with an organic vapor cartridge may be used under certain circumstances where airborne concentrations are expected to exceed exposure limits, or if irritation or symptoms are experienced. Respiratory protection must be provided in accordance with 29 CFR 1910.134.

**General hygiene considerations**

When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Keep away from food and drink.

**9. Physical & Chemical Properties**

**Color**

Black

**Odor**

Slight

**Odor threshold**

Not available

**Form**

Semi-solid

**pH**

Not available

**Melting point**

Not available

**Freezing point**

Not available

**Boiling point**

Not available

**Flash point**

> 400 °F (> 204.4 °C) ASTM D-92

**Evaporation rate**

Not available

**Flammability**

Not available

<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density (air=1)</b>	Not available
<b>Density</b>	0.95 g/cm <sup>3</sup>
<b>Solubility (water)</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong acids, alkalis and oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of phosphorus. Oxides of sulfur.

## 11. Toxicological Information

<b>Acute effects</b>	Refer to Hazards Identification Section.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP.

## 12. Ecological Information

<b>Environmental effects</b>	Components of this product have been identified as having potential environmental concerns.
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## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
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## 14. Transport Information

### Department of Transportation (DOT) Requirements

Not regulated as hazardous goods.

## 15. Regulatory Information

### US federal regulations

#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

ZINC ALKYLARYLSULFONATE 28016-00-4 1.0 % de minimis concentration

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

ZINC ALKYLARYLSULFONATE 28016-00-4 1000 lb final RQ; 454 kg final RQ

### CERCLA (Superfund) reportable quantity

ZINC ALKYLARYLSULFONATE: 1000.0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance</b>	No
<b>Section 311 hazardous chemical</b>	Yes

**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other Information****HMIS® ratings**

Health: 1  
Flammability: 1  
Physical hazard: 0

**NFPA ratings**

Health: 1  
Flammability: 1  
Instability: 0

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. Nye Lubricants, Inc. makes no warranty with respect thereto and disclaims all liability with respect thereon.