

# MATERIAL SAFETY DATA SHEET

Print date: 11/17/2011

Version: 0

Revision date:

## 1. COMPANY AND PRODUCT IDENTIFICATION

**Product name:** Freylube Supra  
**Product code:** SUM38-SL046  
**Application:** Lubricating Grease

**Supplier:**  
Freylube Division  
41 East Tupper Street  
Buffalo, NY 14203  
E-MAIL:

**Emergency Telephone number:** \* 24 HOUR TRANSPORTATION:  
\*\*CHEMTREC: 1-800-424-9300  
703-527-3887 (Call collect outside of US)  
\* 24 HOUR EMERGENCY HEALTH & SAFETY:\*\* (800) 523-7010 (Within US only) Outside of US call (703) 527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARDOUS COMPONENTS

Components	CAS No.	Weight %	OSHA Ceiling Limits	OSHA TWA (final)	ACGIH Ceiling Limits	ACGIH Exposure Limits	Vendor Exposure Limits
Butoxy propylene glycol	9003-13-8	80-90%					
Graphite	7782-42-5	1-5%		15 mg/m <sup>3</sup>		2 mg/m <sup>3</sup> (TWA)	

\* May include one or more of the following CAS #: 64741-88-4, 64741-89-5, 64741-44-2, 64741-96-4, 64741-97-5, 64742-46-7, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-62-7, 64742-65-0, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1, 69029-75-0, 64742-01-4, and 64741-95-3

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Irritating to eyes.  
May cause skin irritation and/or dermatitis.  
May be harmful if swallowed.

**Signal word:** CAUTION  
**Principle routes of exposure:** Eyes, skin and inhalation.  
**Eye contact:** Irritating to eyes

<b>Skin contact:</b>	Repeated or prolonged contact with base product may cause irritation leading to various skin disorders such as dermatitis, oil acne, or folliculitis.
<b>Inhalation:</b>	Inhalation of vapor (generated at high temperatures only) or oil mist from this product may cause mild irritation of the upper respiratory tract.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Physico-chemical properties:</b>	No hazards resulting from material as supplied.

## 4. FIRST AID MEASURES

<b>General advice:</b>	Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin contact:</b>	Wash off with soap and plenty of water Remove and wash contaminated clothing before re-use
<b>Ingestion:</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician if necessary.
<b>Note to physician:</b>	Treat symptomatically.
<b>Medical condition aggravated by exposure:</b>	Dermatitis

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point (°C):</b> 191.1	<b>Flash Point (°F):</b> 376	<b>Flash Point Method:</b> COC
<b>Flammable limits in air - lower (%):</b> Not determined	<b>Flammable limits in air - upper (%):</b> Not determined	
<b>Suitable extinguishing media:</b>	Use dry chemical, CO2, water spray or `alcohol` foam.	
<b>Unusual hazards:</b>	None known	
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
<b>Specific methods:</b>	Water mist may be used to cool closed containers.	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling
<b>Environmental precautions:</b>	Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

**Technical measures/precautions:** Provide sufficient air exchange and/or exhaust in work rooms.

**Safe handling advice:** In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

### Storage

**Technical measures/storage conditions:** Store at room temperature in the original container

**Incompatible products:** Strong oxidizing agents

**Safe storage temperature:** 5-35 °C

**Shelf life:** 2 years

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	OSHA Ceiling Limits	OSHA TWA (final)	ACGIH Ceiling Limits	ACGIH Exposure Limits	NIOSH - Pocket Guide	Vendor Exposure Limits
Butoxy propylene glycol	None	None	None	None	None	None
Graphite	None	15 mg/m <sup>3</sup>	None	2 mg/m <sup>3</sup> (TWA)	2.5 mg/m <sup>3</sup> (TWA)	None

**Engineering measures:** Ensure adequate ventilation.

### **Personal Protective Equipment:**

**General:** Eye Wash and Safety Shower

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

**Eye protection:** Safety glasses with side-shields.

**Hand protection:** Recommended: neoprene, latex, nitrile, butyl rubber and polyethylene type.

**Skin and body protection:** Long sleeved clothing.

**Hygiene measures:** Avoid contact with skin, eyes and clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Semi-solid
<b>Color</b>	Black
<b>Odor</b>	Characteristic
<b>Vapour density:</b>	Not determined
<b>Vapor pressure (kPa):</b>	Not determined
<b>Solubility in water</b>	Insoluble
<b>Evaporation rate:</b>	Not determined
<b>pH:</b>	NA
<b>Flash Point (°C):</b>	191.1
<b>Flash Point (°F):</b>	376
<b>Decomposition temperature (°C):</b>	Not determined
<b>Auto-ignition temperature (°C):</b>	Not determined
<b>Density @ 15.5 °C (g/cc):</b>	0.989 @ 20 C
<b>Bulk density @ 60 ° F (lb/gal):</b>	8.25 @ 68 F
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b><u>Explosive Limits:</u></b>	
- upper limit:	No data available
- lower limit:	No data available

## 10. STABILITY AND REACTIVITY

### Stability:

Stable under recommended storage conditions.

### Conditions to avoid:

None known

### Materials to avoid:

Strong oxidizing agents

### Hazardous decomposition products:

Carbon oxides, Sulphur oxides.

### Hazardous Polymerization:

Not applicable

## 11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Components	IARC Carcinogens	NTP:	OSHA - Select Carcinogens	Acute Toxicity
Butoxy propylene glycol	Not listed as carcinogenic or possibly carcinogenic to humans	Not listed as known or reasonably anticipated to be a human carcinogen	Not listed as a select carcinogen	Rabbit Dermal LD50 = 21200 µL/kg Rat Oral LD50 = 9100 mg/kg
Graphite	Not listed as carcinogenic or possibly carcinogenic to humans	Not listed as known or reasonably anticipated to be a human carcinogen	Not listed as a select carcinogen	No data

## 12. ECOLOGICAL INFORMATION

**Persistence and degradability:** No information available  
**Mobility:** No data available  
**Bioaccumulation:** Not available  
**Ecotoxicity effects:** No data available  
**Aquatic toxicity:** Not Determined

### Component Information

Components	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
Butoxy propylene glycol	No data	No data	No data
Graphite	No data	No data	No data

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues/unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

**Contaminated packaging:** Do not re-use empty containers

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 14. TRANSPORT INFORMATION

### U. S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name: Not Regulated

### TDG (CANADA):

Proper shipping name: Not Regulated

### IMDG/IMO:

Proper shipping name: Not Regulated

### IATA/ICAO:

Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

### CANADIAN REGULATIONS:

**Canada - WHMIS Classification Information:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Canadian Product Classification:** Class D2A  
Class D2B

**Product Classification  
Graphic(s):**



**Component Classification Data:**

Components	WHMIS hazard class	CEPA Schedule I	Challenge Substances
Butoxy propylene glycol	None	Not listed	Not listed
Graphite	D2A D2B	Not listed	Not listed

**U.S. FEDERAL REGULATIONS:**

**OSHA Hazard Communication Standard:** This product is considered to be hazardous under the OSHA Hazard Communication Standard.

**CERCLA/SARA Information:**

**SARA (311, 312) hazard class:** This product possesses the following SARA Hazard Categories:  
**Immediate Health (Acute):** Yes  
**Delayed Health (Chronic):** No  
**Flammability:** No  
**Pressure:** No  
**Reactivity:** No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Butoxy propylene glycol	Not listed	Not listed	Not listed
Graphite	Not listed	Not listed	Not listed

**CERCLA/SARA 313 Emission reporting:** This product contains no components subject to the reporting requirements of SARA 313.

**Clean Air and Clean Water Acts:**

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Butoxy propylene glycol	Not listed	Not listed	Not listed	Not listed
Graphite	Not listed	Not listed	Not listed	Not listed

**RCRA Status:** Not regulated

**U.S. STATE REGULATIONS (RTK):**

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Butoxy propylene glycol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Graphite	Not Listed	Present	Not Listed	3325	Present

**INVENTORY STATUS:**

**United States TSCA - Sect. 8(b) Inventory:** This product complies with TSCA

<b>16. OTHER INFORMATION</b>
------------------------------

**Sources of key data used to compile the data sheet:** Material safety data sheets of the ingredients.

**Prepared by:** Safety, Health and Environmental Department

**Reason for revision:** New formulation

**HMIS classification:****HMIS Use Dilution****NFPA rating:****Health:****Health****Health:**

1

--

1

**Flammability:****Flammability****Flammability:**

1

--

1

**Reactivity:****Reactivity****Reactivity:**

0

--

0

**Personal Protection:****Personal Protection****Special:**

B

--

NA

\* Indicates possible chronic health effect

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

**Disclaimer**

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Freylube Division ("Freylube") assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of Freylube.

**End of Safety Data Sheet**