

1-27-06

**MATERIAL SAFETY DATA SHEET**

SNAP® WHITE LITHIUM GREASE

**1. PRODUCT AND COMPANY IDENTIFICATION**

MSDS Number: 13661

Version Date: 07/30/01

Product Name: SNAP® WHITE LITHIUM GREASE

Product Use: No information available

Synonyms: S665, 23220

**Company Information**

SOPUS Products

P.O. Box 4427

Houston, TX 77210-4427

USA

**Phone Numbers**

Medical Emergency: 1-800-546-6040

Transportation Emergency (USA): 1-800-424-9300

Transportation Emergency (International):

1-703-527-3887 (Call Collect)

MSDS Assistance: 1-800-546-6227

Fax On Demand: 1-800-546-6227

Technical Assistance: 1-800-458-4998

Customer Service: 1-800-468-8397

Fax Number: 713-217-3181

Internet Address: www.MSDS.PZLQS.com

**2. COMPONENT INFORMATION**

Component	CAS No.	Weight Percent Range	Hazardous in Blend
WATER	7732-18-5	30 - 50	No
HEPTANE	142-82-5	20 - 30	Yes
HEAVY NAPHTHENIC HYDROTREATED DISTILLATE	64742-52-5	10 - 20	No
BUTANE	106-97-8	10 - 20	Yes
PROPANE	74-98-6	10 - 20	Yes
LIGHT NAPHTHENIC HYDROTREATED DISTILLATE	64742-53-6	1 - 5	No

This product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Hazards:**

Flammable/Combustible X Acute Toxin -- Chronic Toxin -- Carcinogen --  
Pressure X Reactive -- Exposure Limit X Target Organ -- Other --

Other: No information available

**3. HAZARDS IDENTIFICATION****Emergency and Hazards Overview**

DANGER: EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. VAPOR HARMFUL.

NFPA Ratings: Health 1 Flammability 1 Reactivity 0Primary Route of Exposure: Skin X Inhalation X Eye --**Health Effect Information**

**Eye Contact:** Avoid eye contact. This product has not been tested for acute eye hazards. May be irritating to the eyes upon direct contact. Exposure to mists and vapors may be irritating to the eyes. These effects are transient, and complete recovery follows.

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**Skin Contact:** Single, short exposures, as expected with consumer use of this product, are expected to be practically non-irritating to the skin. Avoid prolonged and repeated skin contact. Prolonged or repeated skin contact may result in dryness, chapping, and reddening.

**Inhalation:** This product is not expected to pose an inhalation hazard under conditions of foreseeable use. This product may be considered a low health hazard unless inhaled in very high concentrations. Exposure to vapors generated under unusual conditions may be mildly irritating to the nose and throat. Acute and chronic overexposures may be irritating to the respiratory tract.

**Ingestion:** Not applicable by this route of exposure. Ingestion is unlikely for aerosol products.

**Medical Conditions Aggravated by Exposure:** Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

**Other:** No information available

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**4. FIRST AID INFORMATION**

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing for 15 minutes or until irritation subsides. If irritation persists, seek medical attention.

**Skin Contact:** Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. Use a hand or skin lotion to prevent dryness.

**Inhalation:** If victim exhibits signs of vapor intoxication remove to fresh air. If discomfort persists seek medical attention.

**Ingestion:** Ingestion is unlikely for aerosol products. Accidental spraying into the mouth will not result in any harmful effects. No treatment is necessary under ordinary circumstances.

**Notes to Physician:** No information available

**Other:** No information available

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**5. FIRE AND EXPLOSION INFORMATION****Flammable Properties**

**Flash Point (aerosol concentrate):** 20 F, -6.7 C

**Test Method:** ASTM D-56 (T.C.C.)

**Flame Extension:** > 18", with flashback

**Test Method:** CPSC 1500.45

**Flammable Limits in Air**

**Upper Percent:** No data available

**Lower Percent:** No data available

**Autoignition Temperature:** No data available

**Test Method:** No information available

**NFPA Classification:** Level 3 Aerosol (NFPA 30B)

**Extinguishing Media:** Use water spray (fog), dry chemical, foam, or carbon dioxide.

**Fire Fighting Measures**

**Special Fire Fighting Procedures and Equipment:** Container may rupture if exposed to heat. Use water to keep fire exposed containers cool and to protect personnel during shutoff.

**Unusual Fire and Explosion Conditions:** Aerosol cans may rupture when heated. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 C. Do not pierce or burn even after container is empty.

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**Hazardous Combustion By-Products:** Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

**Other:** No information available

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## 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Remove all sources of ignition. Provide adequate ventilation to remove vapors and mists. Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10.

**Regulatory Notifications:** No notification required

**Containment and Clean up:** No special cleanup procedures are necessary. Flush area with water to dilute.

**Other:** No information available

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## 7. HANDLING AND STORAGE INFORMATION

**Handling:** Contents under pressure and can explode when exposed to heat or open flame. Caution!--Do not puncture or incinerate.

**Storage:** Do not store at temperatures greater than 120 F.

### Empty Container Warnings

**Drums:** Not applicable

**Plastic:** Not applicable

**Other:** No information available.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

### Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
HEPTANE	142-82-5	OSHA - PEL: TWA 500 ppm ACGIH - TLV: TWA 400 ppm ACGIH - TLV: STEL 500 ppm
BUTANE	106-97-8	ACGIH - TLV: TWA 800 ppm
PROPANE	74-98-6	OSHA - PEL: TWA 1000 ppm

### Personal Protective Equipment

**Eye/Face Protection:** Eye protection is not required under conditions of normal use. If material is handled such that it could be sprayed into eyes, wear plastic face shield or splash-proof safety goggles.

**Skin Protection:** Skin protection is not required under conditions of normal use. Launder soiled clothes.

**Respiratory Protection:** Respiratory protection is not required under conditions of normal use. If excessive levels of mists or vapors are generated while using this product, use an organic vapor respirator. See Section 3, Health Effect Information, Inhalation.

**Personal Hygiene:** Consumption of food and beverage should be avoided in work areas where this product is present. Always wash hands and face with soap and water before eating, drinking, or smoking.

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## Engineering Controls / Work Practices

**Ventilation:** General room ventilation is normally sufficient to prevent buildup of hazardous concentrations. Providing adequate ventilation to keep exposure levels below the permissible exposure limits or flammability limits will prevent any physiological effects.

**Other:** No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> White grease	
<b>Odor:</b> Mild	<b>Vapor Pressure:</b> 45 - 55 psig @ 68 F
<b>Physical state:</b> No information available	<b>Vapor Density (air=1):</b> > 1
<b>pH:</b> No data available	<b>Percent Volatile by Volume:</b> > 75 %
<b>Boiling Point:</b> No data available	<b>Volatile Organic Content:</b> No data available
<b>Melting Point:</b> No data available	<b>Molecular Weight:</b> No data available
<b>Specific Gravity:</b> 0.79	<b>Average Carbon Number:</b> No data available
<b>Pour Point:</b> No data available	<b>Viscosity @ 100 F:</b> 1700 SUS
	<b>Viscosity @ 40 C:</b> No data available
<b>Solubility in Water:</b> Insoluble in water	
<b>Octanol / Water Coefficient: Log K<sub>ow</sub> =</b> No data available	

## 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable

**Conditions to Avoid:** Keep away from heat, sparks, open flames and other ignition sources.

**Incompatible Materials to Avoid:** May react with strong oxidizing agents.

**Other:** No information available

## 11. TOXICOLOGICAL INFORMATION

**Primary Eye Irritation:** No information available

**Primary Skin Irritation:** No information available

**Acute Dermal Toxicity:** No information available

**Subacute Dermal Toxicity:** No information available

**Dermal Sensitization:** No information available

**Inhalation Toxicity:** No information available

**Inhalation Sensitization:** No information available

**Oral Toxicity:** No information available

**Mutagenicity:** No information available

**Carcinogenicity:** No information available

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**Reproductive and Developmental Toxicity:** No information available

**Teratogenicity:** No information available

**Immunotoxicity:** No information available

**Neurotoxicity:** No information available

**Other:** No information available

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**12. ECOLOGICAL INFORMATION**

**Aquatic Toxicity:** No information available

**Terrestrial Toxicity:** No information available

**Chemical Fate and Transport:** No information available

**Other:** No information available.

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**13. DISPOSAL INFORMATION**

**Regulatory Information:** Dispose of residual products and empty containers responsibly.

**Waste Disposal Methods:** Waste material may be landfilled or incinerated at an approved facility.

**Other:** No information available

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**14. TRANSPORTATION INFORMATION**

**U.S. Department of Transportation (DOT)**

**Highway / Rail (Bulk):** NOT SHIPPED IN BULK CONTAINERS - MSDS

**Highway / Rail (Non-Bulk):** Consumer Commodity, ORM-D

For US shipments, US DOT law requires the shipper to determine the proper shipping description of the material that is being shipped. The shipping information and description contained in this section may not be suitable for all shipments of this material, but may help the shipper determine the proper shipping description for a particular shipment.

**International Information**

**Vessel:** IMDG Regulated:   X   IMDG Not Regulated:   --  

**Air:** ICAO Regulated:   X   ICAO Not Regulated:   --  

**Other:** No information available

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**15. Regulatory Information**

**Regulatory Lists Searched:** The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.

**Health & Safety:** 10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

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**Environmental:** 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depleters, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCM, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

**International:** 50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification

**State Lists:** 60 - CA - Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

**Inventories:** 80 - Canada - Domestic substances , 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA , 85 - China Inventory

## Regulatory Search Results:

BUTANE: 15, 17, 22, 23, 50, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84, 85

HEAVY NAPHTHENIC HYDROTREATED DISTILLATE: 80, 81, 83, 84, 85

HEPTANE: 15, 16, 17, 23, 50, 61, 63, 65, 66, 67, 69, 80, 81, 82, 83, 84, 85

LIGHT NAPHTHENIC HYDROTREATED DISTILLATE: 63, 64, 80, 81, 83, 84, 85

PROPANE: 15, 16, 17, 22, 23, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84, 85

WATER: 80, 81, 83, 84, 85

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory.

**SARA Section 313:** Consumer products are not regulated under SARA, Title III, Section 313.

**IARC:** No information available

## **SARA 311 / 312 Categories**

Acute:   X   Chronic:   --   Fire:   X   Pressure:   X   Reactive:   --  

Not Regulated:   --  

## **Canadian WHMIS Classification**

Class A - Compressed gas

Class B - Flammable and Combustible Material, Division 5, Flammable Aerosols

## **European Union Classification**

### **Hazard Symbols:**

Extremely flammable / F+ / flame in square.

Harmful / Xn / X in square.

Dangerous for the environment / N / dead tree and fish in square

"3" Aerosol

### **Risk Phrases:**

R12: Extremely flammable.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

### **Safety Phrases:**

S2: Keep out of the reach of Children.

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S16: Keep away from sources of ignition - No smoking.  
S9: Keep container in a well-ventilated place.  
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Other:** No information available

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## 16. OTHER INFORMATION

### Health and Environmental Label Language

FRONT LABEL:

DANGER: EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. VAPOR

HARMFUL.

Read carefully other cautions on back panel.

BACK LABEL:

DANGER: Contains heptane, propane and butane. Prolonged and repeated skin contact may cause drying of skin.

PRECAUTIONARY MEASURES: Do not puncture, incinerate or store above 120 F. Keep away from heat, sparks, open flames and other ignition sources. Exposure to heat may cause can to burst. Avoid breathing of mists and vapors. Use only in well ventilated areas. Avoid contact with skin and eyes. Wash thoroughly after handling. Store and transport in a closed upright position.

FIRST AID: For contact with eyes, wash thoroughly with water. If inhaled, breathe fresh air. If not breathing, give artificial respiration. Call physician immediately. If swallowed, do not induce vomiting. Call physician immediately.

Use only as directed. Intentional misuse by deliberately concentrating and/or inhaling can be harmful or fatal.

KEEP OUT OF REACH OF CHILDREN

For Health Emergencies call: Add SNAP phone number.

### MSDS Revisions

Previous Version Date: 06/01/01

### Previous Version Information

Revised all sections, new 16 section MSDS format.

### Other

No information available

### Prepared By:

SOPUS Products

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Houston, TX 77210-4453 USA

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