

3M General Offices  
 3M Center  
 St. Paul, Minnesota 55144-1000  
 612/733-1110  
 Duns No.: 00-617-3082

02-82  
 2510

MATERIAL SAFETY  
 DATA SHEET



**DIVISION:** AUTOMOTIVE TRADES  
**TRADE NAME:**  
 3M Lithium Spray Lubricant Part No. 08915  
**3M I.D. NUMBER:** 62-4630-4919-7 62-4900-9909-0

**ISSUED:** APRIL 12, 1990  
**SUPERSEDES:** AUGUST 9, 1989  
**DOCUMENT:** 10-8603-2

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
lithium,12 hydroxystearate	7620-77-1	20.0 - 30.0	NONE	NONE	NONE	NONE
isobutane	75-28-5	20.0 - 30.0	NONE	NONE	NONE	NONE
n-hexane	110-54-3	10.0 - 20.0	50	ppm	TWA	ACGIH
hexane (other isomers)	none	10.0 - 20.0	NONE	NONE	NONE	NONE

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

**2. PHYSICAL DATA**

**BOILING POINT:**..... Compressed Gas  
**VAPOR PRESSURE:**..... Compressed Gas  
**VAPOR DENSITY:**..... > 1.00 Air = 1  
**EVAPORATION RATE:**..... > 1.00 Ether = 1  
**SOLUBILITY IN WATER:**..... Very slight  
**SP. GRAVITY:**..... < 1.000 Water = 1  
**PERCENT VOLATILE:**..... 65.00 %  
**VOLATILE ORGANICS:**..... 462.00 gm/l  
**pH:**..... N/D  
**VISCOSITY:**..... N/A  
**APPEARANCE AND ODOR:** White, grease, solvent odor

**3. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:**..... -50.00 F  
**FLAMMABLE LIMITS - LEL:**..... N/A  
**FLAMMABLE LIMITS - UEL:**..... Flammable Gas  
**AUTOIGNITION TEMPERATURE:**... N/D  
**EXTINGUISHING MEDIA:**  
 CO2, foam, dry chemical  
**SPECIAL FIRE FIGHTING PROCEDURES:**  
 Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
 Extremely flammable. (Treat as a pressurized container.)  
 Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.  
**NFPA-HAZARD-CODES:** HEALTH 3 FIRE 3 REACTIVITY 0  
**UNUSUAL REACTION HAZARD:** None

**4. REACTIVITY DATA**

**STABILITY:** Stable  
**INCOMPATIBILITY - MATERIALS TO AVOID:**  
 N/A CONDITIONS TO AVOID: Do not puncture or incinerate aerosol container. Do not store at temperatures above 120F.

Abbreviations: N/D - Not Determined N/A - Not Applicable

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**4. REACTIVITY DATA (continued)**

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**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
CO, CO2 and smoke particles when subjected to excessive heat or flame.

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

If cans rupture, observe precautions from other sections. Extinguish all ignition sources and ventilate area. Use inorganic absorbent to absorb spill, place absorbed product and partially full cans in a U.S. Dept. of Transportation approved metal container and seal.

**RECOMMENDED DISPOSAL:**

Incinerate absorbed product and partially full cans in a hazardous waste facility. Dispose of empty cans in a sanitary landfill or incinerate in a commercial facility capable of handling aerosol cans. Consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

**ENVIRONMENTAL DATA:**

Volatile Organic Compound (VOC):  
Maximum VOC = 462 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 462 grams/liter.  
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

**SARA HAZARD CLASS:**

**FIRE HAZARD:** Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**

Flush eyes with plenty of water for at least 10 minutes. Call a physician.

**SKIN CONTACT:**

Wash with soap and water.

**INHALATION:**

Remove individual to uncontaminated fresh air. Call a physician.

**IF SWALLOWED:**

Not likely with an aerosol container. If ingested, do not induce vomiting. Call a physician or poison control center.

**OTHER FIRST AID:**

NONE

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#### 7. PRECAUTIONARY INFORMATION

Observe precautions in all sections. Keep away from heat, sparks, flame and other sources of ignition in the immediate work area. Use in areas with ventilation sufficient to maintain concentrations of vapor and overspray (airborne product particles) below the recommended exposure limits. Prevent eye contact; wear appropriate eye protection such as chemical goggles or safety glasses. Prevent skin contact; wear impervious gloves. Do not take internally. Keep out of the reach of children.

NOTE: Use only as directed. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Do not puncture or incinerate container. Do not store product at temperatures above 120F.

#### ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	---- EXPOSURE LIMITS ----			
	VALUE	UNIT	TYPE	AUTH
n-hexane	180	mg/m <sup>3</sup>	TWA	ACGIH
n-hexane	50	ppm	TWA	OSHA
n-hexane	180	mg/m <sup>3</sup>	TWA	OSHA

#### SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

#### 8. HEALTH HAZARD DATA

EYE CONTACT: Liquid and vapor may cause severe eye irritation.

SKIN CONTACT: May cause skin irritation. N-hexane may be absorbed through the skin.

INHALATION: Mist or vapor overexposure may cause respiratory system irritation and light-headedness. Repeated or extreme overexposure to n-hexane vapors may cause nervous system damage. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, and on extreme overexposure, unconsciousness. Gross overexposure such as is caused by intentional inhalation of concentrated vapors in a confined vessel can result in serious damage including asphyxiation and death.

INGESTION: Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Solvent aspiration into the lungs as a result of vomiting may cause lung damage or, in the extreme, death. Due to the physical state of the product (aerosol), no health hazard is expected under conditions of product intended use.

#### SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	AUGUST 9, 1989 ISSUE
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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.