

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES
TRADE NAME:
 PN 8935 Silicone Spray Lube
3M I.D. NUMBER: 62-4613-4919-3 62-4900-9909-0

ISSUED: APRIL 12, 1990
SUPERSEDES: AUGUST 8, 1989
DOCUMENT: 10-3315-8

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
isobutane	75-28-5	70.0 - 80.0	NONE	NONE	NONE	NONE
n-hexane	110-54-3	10.0 - 20.0	50	ppm	TWA	ACGIH
other hexane isomers	none	1.0 - 10.0	NONE	NONE	NONE	NONE
inert silicone fluid	63148-62-9	1.0 - 10.0	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:..... Negligible
SP. GRAVITY:..... 0.700 Water = 1
PERCENT VOLATILE:..... 95.00 %
VOLATILE ORGANICS:..... 560.00 gm/l
pH:..... N/A
VISCOSITY:..... N/A
APPEARANCE AND ODOR: Transparent, liquid, very slight odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
FLAMMABLE LIMITS - LEL:..... 1.20 %
FLAMMABLE LIMITS - UEL:..... 6.90 %
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 flammable pressurized container).
 Overheated, closed container adjacent to fire could explode due to pressure buildup.
NFPA-HAZARD-CODES: HEALTH 2 FIRE 4 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. Do not store at

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

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

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4. REACTIVITY DATA (continued)

temperatures above 120F.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

If cans rupture: Extinguish all ignition sources. Ventilate the area. Observe the precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect spilled material. Place in a U.S. Department of Transportation - approved metal container, and seal.

RECOMMENDED DISPOSAL:

Incinerate absorbed and partially full cans after mixing with flammable material in a licensed hazardous waste facility. The facility must be capable of handling aerosol cans. Do not puncture or burn cans in a household incinerator. Dispose of empty cans in a sanitary landfill. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 560 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 560 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

6. SUGGESTED FIRST AID

EYE CONTACT:

In case of eye contact, immediately flush eyes with large amounts of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Wash with soap and water.

INHALATION:

Move affected person to fresh air at once. If breathing difficulties persist, call a physician.

IF SWALLOWED:

If swallowed, do not induce vomiting. Call a physician or poison control center immediately.

OTHER FIRST AID:

NONE

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7. PRECAUTIONARY INFORMATION

Keep product and its vapors away from heat, sparks, flames, and all other sources of ignition. Extinguish and do not ignite any flame in the immediate work area. The vapors released by the product can be ignited easily and burn explosively. Avoid prolonged breathing of vapors and spray. Use only in areas with sufficient ventilation to maintain vapor and spray concentrations below recommended exposure limits. Local exhaust ventilation may be needed if large quantities are sprayed in a short period of time. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Do not puncture or incinerate can. Do not store at temperatures above 120F. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS	
	VALUE	UNIT
n-hexane	180	mg/m ³
n-hexane	50	ppm
n-hexane	180	mg/m ³

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 irritating to eyes upon direct contact.

SKIN CONTACT: Prolonged and repeated skin contact may defat skin leading to irritation and dermatitis. n-Hexane may be absorbed through the skin in harmful amounts.

INHALATION: Exposure to vapor concentrations in excess of the recommended exposure limits may cause respiratory system irritation and temporary nervous system impairment. There are reported instances where exposure to n-hexane vapor concentrations in excess of 800 ppm caused peripheral nerve damage. Symptoms of overexposure may range from mild light-headedness through weakness, dizziness, headache, nausea and facial numbness. Repeated or extreme overexposure to n-hexane may cause nervous system damage. Extreme 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: Accidental ingestion is unlikely from an aerosol container. 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, which can be fatal.

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SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE AUGUST 8, 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.