

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

2591

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES
TRADE NAME:
 3M Silicone Lubricant Plus (Part No. 08936)
3M I.D. NUMBER: 62-4653-4929-8 62-4900-9909-0
ISSUED: APRIL 12, 1990
SUPERSEDES: AUGUST 22, 1989
DOCUMENT: 10-9989-4

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
isobutane	75-28-5	60.0 - 70.0	NONE	NONE	NONE	NONE
petroleum distillate	64742-47-8	10.0 - 20.0	NONE	NONE	NONE	NONE
n-hexane	110-54-3	1.0 - 10.0	50	ppm	TWA	ACGIH
other hexane isomers	none	1.0 - 10.0	NONE	NONE	NONE	NONE
poly(dimethylsiloxane)	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:..... 2.97 Air = 1
EVAPORATION RATE:..... 1.90 Ether = 1
SOLUBILITY IN WATER:..... Negligible
SP. GRAVITY:..... N/A
PERCENT VOLATILE:..... 90.00 %
VOLATILE ORGANICS:..... 558.00 gm/l
pH:..... N/A
VISCOSITY:..... N/A
APPEARANCE AND ODOR: Clear liquid -- solvent 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 a pressurized container.)
 Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.
NFPA-HAZARD-CODES: HEALTH 3 FIRE 4 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
 N/A

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

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4. REACTIVITY DATA (continued)

CONDITIONS TO AVOID: Do not puncture or incinerate container. Do not store at 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, 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. U.S. EPA Hazardous Waste Number: D001 (Ignitable). 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.

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 558 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 558 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:

Flush eyes with large amounts of water for at least 10 minutes, while holding eyelids open. Call a physician.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

Remove person to uncontaminated air. Call a physician.

IF SWALLOWED:

Do not induce vomiting. Immediately call a physician or poison control center.

OTHER FIRST AID:

NONE

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7. PRECAUTIONARY INFORMATION

Keep product and its vapors away from heat, sparks, flame and other sources of ignition. The vapors released by this product can easily be ignited and burn explosively. Avoid prolonged breathing of vapors and mist during application. Use only in areas with sufficient ventilation to maintain vapor levels below the recommended exposure limits. Use local exhaust ventilation if needed. Prevent eye and skin contact; wear safety glasses and impervious gloves. 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 container. Do not store container at temperatures above 120F. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	---- EXPOSURE LIMITS ----			
	VALUE	UNIT	TYPE	AUTH
n-hexane	180	mg/m3	TWA	ACGIH
n-hexane	50	ppm	TWA	OSHA
n-hexane	180	mg/m3	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 mist may cause severe eye irritation. Vapor may cause eye irritation.

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

INHALATION: Vapor or mist overexposure may cause respiratory system irritation and temporary nervous system impairment (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.

INGESTION: Intentional concentration and swallowing the liquid product may cause severe digestive system irritation. Symptoms may include nausea, diarrhea and vomiting. Solvent aspiration into the lungs as a result of vomiting may cause lung damage, which can be fatal.

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE AUGUST 22, 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.