

General Offices/3M

3M Center
St. Paul, Minnesota 55144-1000
(612) 733-1110

MATERIAL SAFETY
DATA SHEET

DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: 3M 1609 Silicone Lubricant
3M I.D. NUMBER: 62-4613-4725-4 62-4613-8025-5
ISSUED: JULY 8, 1986
SUPERSEDES: MARCH 22, 1986
DOCUMENT: 10-5920-3

1. INGREDIENTS			EXPOSURE LIMITS	
	C.A.S. NO.	PERCENT		
inert silicone fluid	N/A	5.0	N/D	5
hexane	N/A	18.0	500 ppm	1
contains minimum of 44% n-hexane	110-54-3		50 ppm	1
isobutane propellant	75-28-5	77.0	N/D	5

SOURCE OF EXPOSURE LIMIT DATA:

1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:

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

2. PHYSICAL DATA

BOILING POINT:	Compressed gas
VAPOR PRESSURE:	Compressed gas
VAPOR DENSITY (Air=1):	>1
EVAPORATION RATE (Ether=1):	>1
APPEARANCE AND ODOR:	Transparent liquid - very slight odor
SOLUBILITY IN WATER:	Negligible
SP. GRAVITY (Water=1):	.7
PERCENT VOLATILE:	95
VISCOSITY:	N/A
pH:	N/A

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FLASH POINT (Closed Cup): -50°F
FLAMMABLE LIMITS - LEL: 1.2 UEL: 6.9

CO2, foam, dry chemical

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

Extremely Flammable. Treat as flammable pressurized container. Overheated, closed container adjacent to fire could explode due to pressure buildup.

STABILITY: STABLE

NVA

CONDITIONS TO AVOID: Do not puncture or incinerate can. Do not store at temperatures above 120°F.

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

CO, CO2 and smoke particles when subjected to excessive heat or flame.

SPILL RESPONSE:

Observe precautions in all sections. If any cans rupture, extinguish all ignition sources and ventilate spill area to dissipate vapors before collecting cans in sturdy container. A U.S. Dept. of Transportation approved container is preferred.

Do not puncture or burn cans in household incinerator. Incinerate in permitted hazardous waste facility that can handle aerosol cans safely. Empty cans may be disposed in a sanitary landfill or commercial incinerator in accordance with applicable regulations.
U.S. EPA Hazardous Waste Number: 0001 (Ignitable).

N/D

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6. SUGGESTED FIRST AID

EYE CONTACT:

In case of eye contact, immediately flush eyes with plenty 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:

Do not induce vomiting. Give person two glasses of milk or water to drink and call a physician immediately. If spontaneous vomiting should occur, lower the person's head below the hips to prevent aspiration into the lungs. (Do not give liquids to an unconscious person.)

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. Extinguish and do not ignite any flame in the immediate work area. Do not use in confined areas or areas with little or no air movement unless you employ means to circulate air and prevent vapor buildup. Avoid breathing vapor and overspray (airborne product particles). Prevent eye and skin contact; wear safety glasses and gloves. Local exhaust ventilation should be used if large quantities are sprayed in a short period of time. 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 can. Do not store at temperatures above 120F.

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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.

INHALATION: Exposure to vapor concentrations in excess of the prescribed exposure limits (T.W.A.) may cause respiratory system irritation. 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: Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Solvent aspiration into the lungs caused by vomiting can cause lung damage.

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.