

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

01-008

MATERIAL SAFETY
DATA SHEET



DIVISION: ENGINEERING SYSTEM DIVISION

TRADE NAME:

LUBRICATING OIL SJ-27
3M I.D. NUMBER: 78-8051-5484-2

ISSUED: DECEMBER 19, 1989
SUPERSEDES: DECEMBER 15, 1989
DOCUMENT: 10-3581-5

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
Fatty acids, C5-9, mixed esters with pentaerythritol and valeric acid.	68424-33-9	90.0 - 100.0	NONE	NONE	NONE	NONE
Di-isobutylphthalate	84-69-5	2.0 - 7.0	NONE	NONE	NONE	NONE
A naphthaline amine	68259-36-9	2.0 - 5.0	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... N/D
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... None
SP. GRAVITY:..... 0.995 at 15C
PERCENT VOLATILE:..... N/D
VOLATILE ORGANICS:..... N/D
pH:..... N/D
VISCOSITY:..... 3.75E at 100F
APPEARANCE AND ODOR: Red liquid, no odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... >251C
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Water, CO2, Foam, Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES:
None
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None determined

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Strong oxidizers
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
None determined

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

MATERIAL SAFETY
DATA SHEET

3M

MSDS: LUBRICATING OIL SJ-27
DECEMBER 19, 1989

PAGE: 2 of 3

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe all precautions in Section 7. Collect spilled material, clean up residue and place in Dept. of Transportation approved container. Use absorbent material as needed in cleanup procedure.

RECOMMENDED DISPOSAL:

Reclamation or incineration in a permitted hazardous waste facility capable of meeting applicable regulatory requirements for destruction and removal is preferred. Otherwise, dispose in accordance with applicable regulations.

ENVIRONMENTAL DATA:

None determined.

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

In case of eye contact, flush eyes with plenty of water and contact a physician.

SKIN CONTACT:

In case of skin contact, wash affected area with soap and water.

INHALATION:

N/A

IF SWALLOWED:

If swallowed, drink two glasses of milk or water and contact a physician or poison control center.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

Avoid eye and skin contact. Do not take internally. Keep out of reach of children.

8. HEALTH HAZARD DATA

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: May cause skin irritation.

INHALATION: No adverse health effects are currently known.

INGESTION: Dietary administration of large doses of diisobutylphthalate caused severe atrophy of the testes in male rats

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

MATERIAL SAFETY
DATA SHEET



MSDS: LUBRICATING OIL SJ-27
DECEMBER 19, 1989

PAGE: 3 of 3

8. HEALTH HAZARD DATA (continued)

and possible fetotoxicity and teratogenicity when administered to pregnant mice. These effects are not anticipated as a result of a single accidental ingestion.

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

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.