

# MATERIAL SAFETY DATA SHEET

## OI-012

LANIER  
2300 PARKLAKE DRIVE, N.E.  
ATLANTA, GA 30345-2979  
EMERGENCY TELEPHONE:  
(404) 621-1395 (9AM-6PM)  
(800) 333-2679 (6PM-8AM)

SUPERCEDES: None

ISSUED: August 15, 19  
DOCUMENT NO: OI-12  
DUNS NO: 150634004

I.D. NUMBER:

### 1. PRODUCT IDENTIFICATION

CHEMICAL FAMILY: || TRADE NAME:  
|| Fedrene

DEPARTMENT OF TRANSPORTATION PROPER SHIPPING NAME:

DEPARTMENT OF TRANSPORTATION HAZARD CLASS:

2. INGREDIENTS	PERCENT	CAS NO.	EXPOSURE LIMITS	SOURCE*
N. Butanol		71-36-3		
Ethanol		64-17-5		
Dichloromethane		75-09-2		
Hexone		108-10-1		
Naphtha		8030-30-6		
Ethyl Acetate		141-78-6		
Methanol		67-56-1		

\* SOURCE OF EXPOSURE LIMIT DATA:

A. ACGTH THRESHOLD LIMIT VALUES

B. FEDERAL OSHA PERMISSIBLE EXPOSURE LIMIT

C. LANIER GUIDELINES

D. MANUFACTURER RECOMMENDED GUIDELINES

E. NONE ESTABLISHED

ABBREVIATIONS: N/A = NOT APPLICABLE...N/D = NOT DETERMINED

### 3. PHYSICAL DATA

BOILING POINT: 132° F °F || SOLUBILITY IN H2O: Slight  
VAPOR PRESSURE: 300 AT 22 C || SPECIFIC GRAVITY (H2O=1): 1.3  
VAPOR DENSITY: 2.93 (AIR = 1) || pH:  
EVAPORATION RATE: .75 (Ethanol) (ETHER = 1) || VISCOSITY:  
% VOLATILE: 100% ||

APPEARANCE AND ODOR: Clear, solvent odor.

### 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): || FLAMMABILITY LIMITS:  
73° F (flammable fraction) || LEL = UEL =

EXTINGUISHING MEDIA:  
Water, CO<sub>2</sub>, foam, dry powder

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighter should wear NIOSH/MSHA approved, self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Non-flammable as shipped; however, evaporation can leave a flammable residue, unless totally dry. Concentrated vapors can be ignited by spark or flame.

### 5. REACTIVITY DATA

STABILITY: STABLE | X | UNSTABLE | | HAZARDOUS POLYMERIZATION: MAY OCCUR | | MAY NOT OCCUR | X

INCOMPATIBILITY - MATERIALS TO AVOID:  
Caustic soda or oxidizing materials

CONDITIONS TO AVOID:  
Sparks or open flame

HAZARDOUS DECOMPOSITION PRODUCTS:  
Hydrogen chloride and possibly traces of phosgene

AOE NAME: Fedrene

DATE: August 15, 1988

ENVIRONMENTAL INFORMATION

SPILL RESPONSE: (OBSERVE ALL PRECAUTIONS IN SECTION 7):

Contain spill and clean up with absorbent material. Material evaporates readily.

RECOMMENDED DISPOSAL:

Contaminated absorbent material may be disposed of through an approved hazardous waste management facility. Do not flush to sewer.

ENVIRONMENTAL DATA:

Effects of overexposure: Headache, dizziness, nausea, stupor, and lethargy. Exposure to very high concentrations (2,000 ppm) may cause unconsciousness.

PRECAUTIONARY INFORMATION

Keep container closed when not in use.

Avoid prolonged contact with aluminum.

NIOSH/MSHA approved respirator if vapor exceed TLV for extended period.

Local exhaust ventilation recommended.

HEALTH HAZARD DATA

9. SUGGESTED FIRST AID

EYE CONTACT:

Wear goggles with side shields.

SKIN CONTACT:

Wear protective gloves.

INHALATION:

May cause difficulty in breathing, dizziness, nausea.

Wash skin with soap and water.

Remove to fresh air; if breathing is difficult, call a physician.

IF SWALLOWED:

Stupor, lethargy, nausea, unconscious.

DO NOT INDUCE vomiting. Drink large quantities of water. Never administer adrenaline. Get medical help.

INFORMATION ON THIS DATA SHEET REPRESENTS OUR CURRENT DATA AND BEST OPINION AS TO THE PROPER USE IN HANDLING OF PRODUCT UNDER NORMAL CONDITIONS. USING THE PRODUCT WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET OR WHICH LIVES USING THE PRODUCT IN COMBINATION WITH ANY OTHER PRODUCT OR ANY PROCESS IS THE RESPONSIBILITY OF THE USER.

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SUPERCEDES: None

ISSUED: October 13, 1987  
 DOCUMENT NO:  
 DUNS NO: 150634004

DPI I.D. NUMBER: 01-011

**1. PRODUCT IDENTIFICATION**

CHEMICAL FAMILY:		TRADE NAME: Silicon Oil for Model 6070
DEPARTMENT OF TRANSPORTATION PROPER SHIPPING NAME: N/A		
DEPARTMENT OF TRANSPORTATION HAZARD CLASS: N/A		

2. INGREDIENTS	PERCENT	CAS NO.	EXPOSURE LIMITS	SOURCE*
Siloxanes, di-Me Silicones, di-Me				

\* SOURCE OF EXPOSURE LIMIT DATA:

- A. ACGTH THRESHHOLD LIMIT VALUES
- C. LANIER GUIDELINES
- E. NONE ESTABLISHED

- B. FEDERAL OSHA PERMISSIBLE EXPOSURE LIMIT
- D. MANUFACTURER RECOMMENDED GUIDELINES

ABBREVIATIONS: N/A = NOT APPLICABLE...N/D = NOT DETERMINED

**3. PHYSICAL DATA**

BOILING POINT: N/A	*F	SOLUBILITY IN H2O: INSOLUBLE
VAPOR PRESSURE: NEGLIGIBLE	*F	SPECIFIC GRAVITY (H2O=1): 0.98
VAPOR DENSITY: N/A	(AIR = 1)	pH: N/A
EVAPORATION RATE: NEGLIGIBLE	(ETHER = 1)	VISCOSITY: N/A
% VOLATILE: N/D		

APPEARANCE AND ODOR:  
 Colorless, transparent and odorless - fluid.

**4. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (TEST METHOD): 150°C Minimum (open cup)		FLAMMABILITY LIMITS: LEL = N/D UEL = N/D
EXTINGUISHING MEDIA: Foam, dry chemical or CO <sub>2</sub>		
SPECIAL FIRE FIGHTING PROCEDURES: None		
UNUSUAL FIRE AND EXPLOSION HAZARDS: None		

**5. REACTIVITY DATA**

STABILITY: STABLE   x   UNSTABLE	HAZARDOUS POLYMERIZATION: MAY OCCUR	MAY NOT OCCUR   x
INCOMPATIBILITY - MATERIALS TO AVOID: None		
CONDITIONS TO AVOID: N/A		

HAZARDOUS DECOMPOSITION PRODUCTS:  
 None

Silicon Oil

TRADE NAME: For Model 6070

DATE: October 13, 1987

6. ENVIRONMENTAL INFORMATION

SPILL RESPONSE: (OBSERVE ALL PRECAUTIONS IN SECTION 7):

Absorb in adequate absorbent, such as cloth, paper towel, etc.

RECOMMENDED DISPOSAL:

Dispose in accordance with local, state, and Federal regulations.

ENVIRONMENTAL DATA:

Lowest published toxic dose:  $LD_{50} = 120 \text{ gram/kg}$  (subcutaneous - mouse)

7. PRECAUTIONARY INFORMATION

Store in cool, dark and dry place. Keep away from excessive heat and open fire.  
Keep container closed. After handling, wash hands with soap and water.  
Keep out of reach of children.

8. HEALTH HAZARD DATA

EYE CONTACT:

No adverse health effects expected. May cause slight irritation if overexposed.

No protection required when used as intended. Use safety glasses if splash hazard exists.

SKIN CONTACT:

No adverse effects expected. Some may get slight irritation if overexposed. Use plastic or rubber gloves to avoid being stained.

INHALATION:

Respiratory protection not required.

IF SWALLOWED:

N/A

9. SUGGESTED FIRST AID

Immediately flush with plenty of water. Never use any detergent. If required, get medical attention.

Remove liquid from skin with dry cloth or towel, and wash exposed area with soap and water.

In case of ingestion, medical attention is needed.