

MATERIAL SAFETY 3M  
DATA SHEET 3M Center  
St. Paul, Minnesota  
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DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

5087 INSULATING GREASE (804 CONNECTOR)

ID NUMBER/U.P.C.:

80-6105-9660-5 00-54007-06134-2 80-6105-9661-3 00-54007-06135-9

80-6107-3140-0 00-54007-50187-9 80-6107-3141-8 00-54007-50188-6

ISSUED: February 04, 1998

SUPERSEDES: September 13, 1995

DOCUMENT: 11-4653-9

1. INGREDIENT	C.A.S. NO.	PERCENT
WHITE MINERAL OIL (PETROLEUM).....	8042-47-5	50.0 - 65.0
POLYBUTYLENE.....	9003-29-6	25.0 - 40.0
SILANE TREATED SILICA.....	68611-44-9	5.0 - 10.0
HYDROCARBON POLYMER.....	68648-89-5	1.0 - 5.0

## 2. PHYSICAL DATA

BOILING POINT:..... N/A  
VAPOR PRESSURE:..... N/A  
VAPOR DENSITY:..... N/A  
EVAPORATION RATE:..... N/A  
SOLUBILITY IN WATER:..... Nil  
SPECIFIC GRAVITY:..... ca. 1.000 Water=1  
PERCENT VOLATILE:..... N/D  
pH:..... N/A  
VISCOSITY:..... N/D  
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Gel, amber, mild odor

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

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... > 300.00 F TCC  
FLAMMABLE LIMITS - LEL:..... N/D  
FLAMMABLE LIMITS - UEL:..... N/D  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Hydrogen Chloride, Hydrocarbons.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:

Observe precautions from other sections. Collect spilled material. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in an approved metal container.

RECOMMENDED DISPOSAL:

Dispose of waste product in a sanitary landfill.

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5. ENVIRONMENTAL INFORMATION (continued)  
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ENVIRONMENTAL DATA:  
Not determined.

REGULATORY INFORMATION:  
Volatile Organic Compounds: N/D.  
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities  
before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S.  
EPA Hazardous).

EPCRA HAZARD CLASS:  
FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: No CHRONIC: No

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6. SUGGESTED FIRST AID  
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EYE CONTACT:  
Immediately flush eyes with large amounts of water for at least 15  
minutes. Get immediate medical attention.

SKIN CONTACT:  
Wash affected area with soap and water.

INHALATION:  
If signs/symptoms occur, remove person to fresh air. If  
signs/symptoms continue, call a physician.

IF SWALLOWED:  
Do not induce vomiting. Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:  
Avoid eye contact.

SKIN PROTECTION:  
Avoid prolonged or repeated skin contact.

RECOMMENDED VENTILATION:  
Not applicable.

RESPIRATORY PROTECTION:  
Not applicable.

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7. PRECAUTIONARY INFORMATION (continued)  
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PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WHITE MINERAL OIL (PETROLEUM).....	5	MG/M3	TWA	CMRG	
WHITE MINERAL OIL (PETROLEUM).....	10	MG/M3	STEL	CMRG	
POLYBUTYLENE.....	NONE	NONE	NONE	NONE	
SILANE TREATED SILICA.....	NONE	NONE	NONE	NONE	
HYDROCARBON POLYMER.....	NONE	NONE	NONE	NONE	

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- NONE: None Established

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8. HEALTH HAZARD DATA  
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EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact):  
signs/symptoms can include redness, swelling, and itching.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

Swallowing a relatively large amount of this material is unlikely to produce serious illness or death.

May produce cathartic action on digestive system.

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SECTION CHANGE DATES  
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HEADING                      SECTION CHANGED SINCE September 13, 1995 ISSUE

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