

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

00-07  
 649

Duns No.: 00-617-3082

MATERIAL SAFETY  
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION  
 TRADE NAME:  
 3M SUPER DUTY PASTE COMPOUND P/N 5957  
 3M I.D. NUMBER: 60-9800-0884-5

ISSUED: NOVEMBER 8, 1988  
 SUPERSEDES: JULY 15, 1988  
 DOCUMENT: 10-2846-3

| 1. INGREDIENT       | C.A.S. NO. | PERCENT     | EXPOSURE |       | LIMITS |       |
|---------------------|------------|-------------|----------|-------|--------|-------|
|                     |            |             | VALUE    | UNIT  | TYPE   | AUTH  |
| CRISTOBALITE SILICA | 14464-46-1 | 35.0 - 45.0 | 0.05     | mg/m3 | TWA    | ACGIH |
| KEROSENE            | 8008-20-6  | 15.0 - 25.0 | 500      | ppm   | TWA    | OSHA  |
| WATER               | 7732-18-5  | 15.0 - 25.0 | NONE     | NONE  | NONE   | NONE  |
| STODDARD SOLVENT    | 8052-41-3  | 10.0 - 15.0 | 100      | ppm   | TWA    | ACGIH |
| OLEIC ACID          | 112-80-1   | 1.0 - 5.0   | NONE     | NONE  | NONE   | NONE  |
| MORPHOLINE          | 110-91-8   | 1.0 - 3.0   | 20       | ppm   | TWA    | ACGIH |
| PINE OIL            | 8002-09-3  | 1.0 - 3.0   | NONE     | NONE  | NONE   | NONE  |

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... 212 F  
 VAPOR PRESSURE:..... N/D  
 VAPOR DENSITY: ..... > 1.00 Air = 1  
 EVAPORATION RATE:..... N/D  
 SOLUBILITY IN WATER: ..... DILUTABLE  
 SP. GRAVITY:..... 1.200 Water = 1  
 PERCENT VOLATILE: ..... 50-55  
 VOLATILE ORGANICS: ..... 0.00 gm/l  
   G VOC/L 453.60 G VOC/(L-VN-VES) 555.75  
 pH: ..... 9.0-9.4  
 VISCOSITY: ..... 150-250K  
 APPEARANCE AND ODOR: REDDISH-BROWN PASTE WITH SOLVENT AND PINE ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 121 F PENSKEY-MARTIN CLOSED CUP  
 FLAMMABLE LIMITS - LEL: ..... 0.77 %  
 FLAMMABLE LIMITS - UEL: ..... 6.00 %  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CARBON DIOXIDE, FOAM OR DRY CHEMICAL. DO NOT USE WATER TO PUT OUT A  
 FIRE CONTAINING THIS MATERIAL - IT MAY BE INEFFECTIVE.  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED  
 IN A POSITIVE PRESSURE MODE WHEN ENTERING FIRES CONTAINING THIS OR  
 ANY OTHER MATERIALS.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 NONE EXPECTED  
 NFPA-HAZARD-CODES: HEALTH 1 FIRE 2 REACTIVITY 0  
 UNUSUAL REACTION HAZARD: None

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

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#### 4. REACTIVITY DATA

**STABILITY:** Stable  
**INCOMPATIBILITY - MATERIALS TO AVOID:**  
OXIDIZING AGENTS, FIRE, FLAMES, SPARKS OR OTHER SOURCES OF IGNITION.  
**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
THERMAL OXIDATIVE DEGRADATION PRODUCTS MAY INCLUDE OXIDES OF CARBON,  
OXIDES OF NITROGEN, FREE SILICA, ALDEHYDES AND OTHER UNKNOWN  
HYDROCARBONS.

#### 5. ENVIRONMENTAL INFORMATION

**SPILL RESPONSE:**  
OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COVER WITH INORGANIC  
ABSORBENT MATERIAL SUCH AS VERMICULITE, SAND OR EARTH. PLACE  
ABSORBED MATERIAL INTO U.S. DOT APPROVED METAL CONTAINER AND SEAL.

**RECOMMENDED DISPOSAL:**  
DISPOSE OF WASTE/BULK MATERIAL IN A FACILITY PERMITTED TO ACCEPT  
CHEMICAL WASTES. CONSULT APPLICABLE REGULATIONS OR AUTHORITIES  
BEFORE DISPOSAL. U.S. EPA HAZARD WASTE NUMBER: D001 (IGNITABLE).

**ENVIRONMENTAL DATA:**  
N/D

#### 6. SUGGESTED FIRST AID

**EYE CONTACT:**  
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST TEN MINUTES.  
IF IRRITATION PERSISTS, CALL A PHYSICIAN.

**SKIN CONTACT:**  
WASH WITH SOAP AND WATER.

**INHALATION:**  
PROVIDE FRESH AIR. CALL A PHYSICIAN.

**IF SWALLOWED:**  
IF INGESTED, MAY CAUSE DIGESTIVE SYSTEM IRRITATION AND TEMPORARY  
NERVOUS SYSTEM IMPAIRMENT. SYMPTOMS MAY INCLUDE NAUSEA AND VOMITING.  
CALL A PHYSICIAN.

**OTHER FIRST AID:**  
NONE

#### 7. PRECAUTIONARY INFORMATION

KEEP AWAY FROM HEAT, SPARKS AND FLAME. USE ONLY IN AREAS WITH  
SUFFICIENT VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW  
RECOMMENDED EXPOSURE LIMITS. AVOID EYE AND SKIN CONTACT. AVOID  
REPEATED OR PROLONGED BREATHING OF VAPORS. KEEP CONTAINER CLOSED  
WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

CONTAINS CRYSTALLINE SILICA. CONTINUOUS SPURRING OF DRY BUFF PADS

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**7. PRECAUTIONARY INFORMATION (continued)**

MAY PRODUCE CONDITIONS IN EXCESS OF THE THRESHOLD LIMIT VALUE (T.L.V.) FOR CRYSTALLINE SILICA. THE USE OF A NIOSH/MSHA APPROVED RESPIRATOR IS REQUIRED IF DUST CONCENTRATIONS EXCEED THE T.L.V.

**ADDITIONAL EXPOSURE LIMITS**

| INGREDIENTS      | EXPOSURE |                   | LIMITS |       |
|------------------|----------|-------------------|--------|-------|
|                  | VALUE    | UNIT              | TYPE   | AUTH  |
| KEROSENE         | 2000     | mg/m <sup>3</sup> | TWA    | OSHA  |
| STODDARD SOLVENT | 525      | mg/m <sup>3</sup> | TWA    | ACGIH |
| STODDARD SOLVENT | 500      | ppm               | TWA    | OSHA  |
| STODDARD SOLVENT | 2900     | mg/m <sup>3</sup> | TWA    | OSHA  |
| MORPHOLINE       | 70       | mg/m <sup>3</sup> | TWA    | ACGIH |
| MORPHOLINE       | 30       | ppm               | STEL   | ACGIH |
| MORPHOLINE       | 105      | mg/m <sup>3</sup> | STEL   | ACGIH |
| MORPHOLINE       | 20       | ppm               | TWA    | OSHA  |
| MORPHOLINE       | 70       | mg/m <sup>3</sup> | 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: MAY CAUSE EYE IRRITATION.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

INHALATION: MAY CAUSE RESPIRATORY SYSTEM IRRITATION. OVEREXPOSURE MAY CAUSE DIZZINESS, STUPOR, LIGHTHEADEDNESS, AND UNCONSCIOUSNESS.

INGESTION: ASPIRATION INTO THE LUNGS MAY CAUSE LUNG DAMAGE. MAY CAUSE DIGESTIVE SYSTEM IRRITATION. SYMPTOMS MAY INCLUDE NAUSEA, VOMITING.

**SECTION CHANGE DATES**

|                  |                       |               |       |
|------------------|-----------------------|---------------|-------|
| HEADING          | SECTION CHANGED SINCE | JULY 15, 1988 | ISSUE |
| INGREDIENTS      | SECTION CHANGED SINCE | JULY 15, 1988 | ISSUE |
| FIRE & EXP. DATA | SECTION CHANGED SINCE | JULY 15, 1988 | 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 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.

