

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

03-40  
3269

MATERIAL SAFETY  
DATA SHEET

**3M**

DIVISION: AUTOMOTIVE TRADES DIVISION  
TRADE NAME:

3M brand Super Duty Rubbing Compound P/N 5954, 5955, 5956  
3M I.D. NUMBER: CN-1006-9453-4 XC-0616-7891-5 60-9800-1132-8 60-9800-1527-9  
60-9898-3201-3

ISSUED: APRIL 16, 1991  
SUPERSEDES: NOVEMBER 15, 1989  
DOCUMENT: 10-2844-8

| 1. INGREDIENT                | C.A.S. NO. | PERCENT     | EXPOSURE |       | LIMITS |       |
|------------------------------|------------|-------------|----------|-------|--------|-------|
|                              |            |             | VALUE    | UNIT  | TYPE   | AUTH  |
| TRIPOLI (CRYSTALLINE SILICA) | 1317-95-9  | 45.0 - 55.0 | 0.1      | mg/m3 | TWA    | ACGIH |
| WATER                        | 7732-18-5  | 15.0 - 25.0 | NONE     | NONE  | NONE   | NONE  |
| KEROSENE                     | 8008-20-6  | 15.0 - 20.0 | 500      | ppm   | TWA    | OSHA  |
| STODDARD SOLVENT             | 8052-41-3  | 5.0 - 10.0  | 100      | ppm   | TWA    | ACGIH |
| HEAVY PARAFFINIC DISTILLATE  | 64741-88-4 | 1.0 - 5.0   | 5        | mg/m3 | TWA    | CMRG  |
| OLEIC ACID                   | 112-80-1   | 1.0 - 5.0   | NONE     | NONE  | NONE   | NONE  |

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... 212 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY:..... > 1.00 Air = 1  
EVAPORATION RATE:..... > 1.00 Ether = 1  
SOLUBILITY IN WATER:..... DILUTABLE  
SP. GRAVITY:..... 1.280 Water = 1  
PERCENT VOLATILE:..... 50  
VOLATILE ORGANICS:..... 322.56 gm/l  
G VOC/(L-VW-VES) 430.77  
pH:..... 9.4-9.6  
VISCOSITY:..... 7-12K CPS  
APPEARANCE AND ODOR: TAN VISCOUS LIQUID WITH A SLIGHT PINE ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 133 F PENSLEY-MARTIN CLOSED CUP  
FLAMMABLE LIMITS - LEL:..... 1.60 %  
FLAMMABLE LIMITS - UEL:..... 6.00 %  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED  
IN A POSITIVE PRESSURE MODE WHEN ENTERING FIRES CONTAINING THIS  
MATERIAL OR ANY OTHER.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
NONE  
NFPA-HAZARD-CODES: HEALTH 2 FIRE 2 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

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

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**4. REACTIVITY DATA**

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**STABILITY:** Stable  
**INCOMPATIBILITY - MATERIALS TO AVOID:**  
STRONG OXIDIZERS, STRONG BASES  
**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
THERMAL OXIDATIVE DEGRADATION PRODUCTS MAY INCLUDE CARBON DIOXIDE,  
CARBON MONOXIDE, UNKNOWN HYDROCARBONS.

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**  
OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COVER WITH INORGANIC  
ABSORBENT, PLACE IN U.S. DOT APPROVED METAL CONTAINER AND SEAL.

**RECOMMENDED DISPOSAL:**  
DISPOSE OF ABSORBED OR WASTE/BULK PRODUCT 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

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

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**6. SUGGESTED FIRST AID**

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**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:**  
DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

**OTHER FIRST AID:**  
NONE

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**7. PRECAUTIONARY INFORMATION**

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KEEP AWAY FROM HEAT, SPARKS, AND FLAME. STORE AWAY FROM IGNITION  
SOURCES AND STRONG OXIDIZING AGENTS. USE ONLY IN AREAS WITH  
SUFFICIENT VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW  
RECOMMENDED EXPOSURE LIMITS. AVOID EYE CONTACT AND PROLONGED SKIN  
CONTACT. AVOID INHALATION OF DUST FROM WORK PROCESSES GENERATING  
DUST. USE GOOD PERSONAL HYGIENE TO PREVENT OVEREXPOSURE. GLOVES

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**7. PRECAUTIONARY INFORMATION (continued)**

SHOULD BE WORN WHEN REPEATED OR PROLONGED SKIN CONTACT IS EXPECTED.  
CHEMICAL SAFETY GOGGLES SHOULD BE WORN WHEN SPLASHING IS POSSIBLE.  
KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF  
CHILDREN.

CONTAINS CRYSTALLINE SILICA. CONTINUOUS SPURRING OF DRY BUFF PADS  
MAY PRODUCE DUST CONDITIONS IN EXCESS OF THE OSHA PERMISSIBLE  
EXPOSURE LIMIT (PEL) OR THRESHOLD LIMIT VALUE (TLV) FOR CRYSTALLINE  
SILICA.

THE USE OF A PROPER GOVERNMENT APPROVED RESPIRATOR IS REQUIRED IF  
CONTAMINANT CONCENTRATIONS EXCEED EITHER THE PEL OR TLV.

**ADDITIONAL EXPOSURE LIMITS**

| INGREDIENTS                  | EXPOSURE |                   | LIMITS |       |
|------------------------------|----------|-------------------|--------|-------|
|                              | VALUE    | UNIT              | TYPE   | AUTH  |
| TRIPOLI (CRYSTALLINE SILICA) | 0.1      | mg/m <sup>3</sup> | TWA    | OSHA  |
| KEROSENE                     | 2000     | mg/m <sup>3</sup> | TWA    | OSHA  |
| STODDARD SOLVENT             | 525      | mg/m <sup>3</sup> | TWA    | ACGIH |
| STODDARD SOLVENT             | 100      | ppm               | TWA    | OSHA  |
| STODDARD SOLVENT             | 525      | 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: LIQUID MAY BE IRRITATING TO THE EYES UPON DIRECT  
CONTACT. SYMPTOMS OF OVEREXPOSURE CAN INCLUDE ONE OR MORE OF THE  
FOLLOWING: REDNESS, TEARING, IRRITATION, BURNING SENSATION.

SKIN CONTACT: SINGLE SHORT-TERM CONTACT MAY CAUSE DRYING OF THE  
SKIN. REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE IRRITATION.  
SYMPTOMS OF OVEREXPOSURE MAY INCLUDE DRYING, IRRITATION AND  
DERMATITIS.

INHALATION: VAPOR OVEREXPOSURE MAY CAUSE RESPIRATORY SYSTEM  
IRRITATION AND TEMPORARY NERVOUS SYSTEM IRRITATION. SYMPTOMS OF  
OVEREXPOSURE CAN INCLUDE ONE OR MORE OF THE FOLLOWING: IRRITATION OF  
THE NOSE AND THROAT, HEADACHE, DIZZINESS, NAUSEA. CHRONIC  
OVEREXPOSURE TO DUST PRODUCED BY PROCESSES CREATING LARGE AMOUNTS OF  
DUST FROM THE DRY PRODUCT MAY RESULT IN SILICOSIS OR OTHER PULMONARY  
PROBLEMS.

INGESTION: INGESTION OF THIS LIQUID MAY CAUSE DIGESTIVE SYSTEM  
IRRITATION AND NAUSEA. RISK OF CHEMICAL PNEUMOCONIOSIS IF ASPIRATED  
INTO THE LUNGS DURING VOMITING.

NOTE: CRYSTALLINE SILICA IS A POTENTIAL CANCER HAZARD, CAUSING LUNG  
AND INJECTION SITE CANCER BY THE INHALATION, INTRAPLEURAL AND  
INTRAPERITONEAL ROUTES OF EXPOSURE IN LABORATORY ANIMALS (IARC)

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**8. HEALTH HAZARD DATA** (continued)

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PROBABLE HUMAN CARCINOGEN 2A).

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**SECTION CHANGE DATES**

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HEADING

SECTION CHANGED SINCE NOVEMBER 15, 1989 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 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.