

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

MATERIAL SAFETY
DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION
TRADE NAME:
3M Brand Machine Rubbing Compound P/N 5950
3M I.D. NUMBER: 60-9898-3002-5

ISSUED: OCTOBER 17, 1989
SUPERSEDES: APRIL 27, 1989
DOCUMENT: 10-2843-0

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
TRIPOLI (CRYSTALLINE SILICA)	1317-95-9	40.0 - 50.0	0.1	mg/m ³	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	1.0 - 10.0	100	ppm	TWA	ACGIH
CLAY	1332-58-7	1.0 - 5.0	10	mg/m ³	TWA	ACGIH
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
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... 212 F
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... 4.50 Air = 1
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... EMULSION
SP. GRAVITY:..... 1.100-1.200 Water = 1
PERCENT VOLATILE:..... 40-55
VOLATILE ORGANICS:..... 330.85 gm/l
G VOC/(L-VW-VES) 419.80
pH:..... 9.4-9.6
VISCOSITY:..... 3-7K CPS
APPEARANCE AND ODOR: LIGHT TAN, LIQUID, ALIPHATIC ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 132 F SETAFLASH
FLAMMABLE LIMITS - LEL:..... 1.16 %
FLAMMABLE LIMITS - UEL:..... 6.00 %
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY
SPECIAL FIRE FIGHTING PROCEDURES:
NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE
NFPA-HAZARD-CODES: HEALTH 2 FIRE 2 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
NONE

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

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4. REACTIVITY DATA (continued)

HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

VENTILATE AREA AND EXTINGUISH ALL IGNITION SOURCES. OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COVER WITH INORGANIC ABSORBENT MATERIAL, PLACE IN U.S. DOT APPROVED METAL CONTAINER AND SEAL.

RECOMMENDED DISPOSAL:

INCINERATE COMPLETELY ABSORBED WASTE PRODUCT AND WASTE/BULK PRODUCT IN A HAZARDOUS WASTE FACILITY. 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

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. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN.

IF SWALLOWED:

DO NOT INDUCE 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 CONTACT AND REPEATED OR PROLONGED SKIN CONTACT. USE GOOD PERSONAL HYGIENE TO PREVENT OVEREXPOSURE. CHEMICAL SAFETY GOGGLES SHOULD BE WORN WHEN SPLASHING IS POSSIBLE. GLOVES SHOULD BE WORN WHEN REPEATED OR PROLONGED SKIN CONTACT IS EXPECTED. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

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7. PRECAUTIONARY INFORMATION (continued)

CONTAINS CRYSTALLINE SILICA. CONTINUOUS SPURRING OF DRY BUFF PADS MAY PRODUCE DUST CONDITIONS IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT (PEL) OR THRESHOLD LIMIT VALUE (TLV) FOR CRYSTALLINE SILICA. THE USE OF A GOVERNMENT APPROVED PARTICULATE RESPIRATOR IS REQUIRED IF DUST CONCENTRATIONS EXCEED EITHER THE PEL OR TLV.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		-----	
	VALUE	UNIT	TYPE	AUTH
TRIPOLI (CRYSTALLINE SILICA)	0.1	mg/m3	TWA	OSHA
KEROSENE	2000	mg/m3	TWA	OSHA
STODDARD SOLVENT	525	mg/m3	TWA	ACGIH
STODDARD SOLVENT	100	ppm	TWA	OSHA
STODDARD SOLVENT	525	mg/m3	TWA	OSHA
CLAY	10	mg/m3	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: PROLONGED SKIN CONTACT MAY DEFAT SKIN LEADING TO IRRITATION.

INHALATION: CAUSES RESPIRATORY SYSTEM IRRITATION AND MAY PRODUCE TEMPORARY NERVOUS SYSTEM IMPAIRMENT. SYMPTOMS OF OVEREXPOSURE MAY INCLUDE DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, INCOORDINATION. EXTREME OVEREXPOSURE MAY EVEN CAUSE UNCONSCIOUSNESS.

INGESTION: ASPIRATION INTO THE LUNGS MAY CAUSE LUNG DAMAGE OR DEATH. MAY CAUSE DIGESTIVE SYSTEM IRRITATION. SYMPTOMS OF OVEREXPOSURE INCLUDE BURNING SENSATION OF MOUTH, ESOPHAGUS AND STOMACH, VOMITING, DIARRHEA, BLOOD IN FECES AND BELCHING. CHRONIC OVEREXPOSURE MAY CAUSE LIVER DAMAGE.

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 PROBABLE HUMAN CARCINOGEN 2A).

SECTION CHANGE DATES

INGREDIENTS SECTION CHANGED SINCE APRIL 27, 1989 ISSUE

PRECAUT. INFO. SECTION CHANGED SINCE APRIL 27, 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.