

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

03-72
 3144

Duns No.: 00-617-3082

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION
 TRADE NAME:
 3M PREP TEAM LIQUID COMPOUND P/N 5931
 3M I.D. NUMBER: 60-9800-0828-2

ISSUED: JUNE 15, 1988
 SUPERSEDES: AUGUST 25, 1987
 DOCUMENT: 10-2838-0

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS -- TYPE AUT
KEROSENE	8008-20-6	15.0 - 20.0	500 ppm	TWA OSH
PETROLEUM DISTILLATE	8052-41-3	1.0 - 10.0	100 ppm	TWA ACC
FATTY ACID	112-80-1	1.0 - 5.0	NONE NONE	NONE NON
SILICA (CRYSTALLINE)	1317-95-9	45.0 - 50.0	0.1 mg/m ³	TWA ACC
WATER	7732-18-5	15.0 - 20.0	NONE NONE	NONE NON
MINERAL OIL, HYDROTREATED	8012-95-1	1.0 - 5.0	5 mg/m ³	TWA ACC

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: 0.00 Air = 1
 <1
 EVAPORATION RATE:..... 0.00 Butyl Acetate = 1
 >1
 SOLUBILITY IN WATER: DILUTABLE
 SP. GRAVITY:..... 0.000 Water = 1
 1.27-1.30
 PERCENT VOLATILE: 40-50
 VOLATILE ORGANICS: 0.00 gm/l
 G VOC/L 372.22 G VOC/(L-VW-VES) 497.10
 pH: 9.4-9.6
 VISCOSITY: 7-12K
 APPEARANCE AND ODOR: TAN VISCOUS LIQUID - SLIGHT PINE ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 155 F SETAFLASH
 FLAMMABLE LIMITS - LEL: 1.6
 FLAMMABLE LIMITS - UEL: 6.0
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CARBON DIOXIDE, FOAM, DRY CHEMICAL
 SPECIAL FIRE FIGHTING PROCEDURES:
 NONE
 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

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
NONE
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE
CONDITIONS TO AVOID: NONE

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COVER WITH INORGANIC
ABSORBENT, PLACE IN APPROVED 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: N/A.

ENVIRONMENTAL DATA:
N/D

6. SUGGESTED FIRST AID

EYE CONTACT:
FLUSH WITH PLENTY OF WATER FOR AT LEAST TEN MINUTES AND 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

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 PROLONGED OR
REPEATED SKIN CONTACT. AVOID PROLONGED BREATHING OF VAPORS. AVOID
BREATHING DUST DURING BUFFING OPERATIONS. 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 THRESHOLD LIMIT VALUE
(T.L.V.) FOR CRYSTALLINE SILICA. THE USE OF A NIOSH/MSHA APPROVED

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7. PRECAUTIONARY INFORMATION (continued)

RESPIRATOR IS REQUIRED IF DUST CONCENTRATIONS EXCEED THE T.L.V.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		-----	
	VALUE	UNIT	TYPE	AUTH
KEROSENE	2000	mg/m3	TWA	OSHA
PETROLEUM DISTILLATE	525	mg/m3	TWA	ACGIH
PETROLEUM DISTILLATE	500	ppm	TWA	OSHA
PETROLEUM DISTILLATE	2900	mg/m3	TWA	OSHA
MINERAL OIL, HYDROTREATED	10	mg/m3	STEL	ACGIH
MINERAL OIL, HYDROTREATED	5	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. SYMPTOMS MAY INCLUDE TEARING AND BLURRED VISION.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

INHALATION: MAY CAUSE RESPIRATORY SYSTEM IRRITATION. CHRONIC EXPOSURE MAY CAUSE NERVOUS SYSTEM IMPAIRMENT AND LIVER DAMAGE. SYMPTOMS MAY INCLUDE DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS, AND STUPOR.

INGESTION: ASPIRATION IN THE LUNGS MAY CAUSE LUNG DAMAGE. MAY CAUSE DIGESTIVE SYSTEM IRRITATION. CHRONIC EXPOSURE MAY CAUSE LIVER AND KIDNEY DAMAGE. SYMPTOMS MAY INCLUDE NAUSEA, VOMITING, AND NERVOUS SYSTEM IMPAIRMENT.

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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.