

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

00-07  
784

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION  
TRADE NAME:  
3M IMPERIAL Microfinishing Compound P/N 6031  
3M I.D. NUMBER: 60-9800-1105-4  
ISSUED: DECEMBER 6, 1988  
SUPERSEDES: NOVEMBER 23, 1988  
DOCUMENT: 10-2869-5

| 1. INGREDIENT               | C.A.S. NO. | PERCENT     | EXPOSURE |                   | LIMITS |       |
|-----------------------------|------------|-------------|----------|-------------------|--------|-------|
|                             |            |             | VALUE    | UNIT              | TYPE   | AUTH  |
| WATER                       | 7732-18-5  | 30.0 - 45.0 | NONE     | NONE              | NONE   | NONE  |
| TRIPOLI SILICA              | 1317-95-9  | 30.0 - 45.0 | 0.1      | mg/m <sup>3</sup> | TWA    | ACGIH |
| ALIPHATIC HYDROCARBONS      | 64742-47-8 | 15.0 - 25.0 | NONE     | NONE              | NONE   | NONE  |
| HEAVY PARAFFINIC DISTILLATE | 64741-88-4 | 1.0 - 5.0   | 5        | mg/m <sup>3</sup> | TWA    | CMRG  |
| GLYCERIN                    | 56-81-5    | 1.0 - 5.0   | 10       | mg/m <sup>3</sup> | TWA    | ACGIH |
| OLEIC ACID                  | 112-80-1   | 1.0 - 5.0   | NONE     | NONE              | NONE   | NONE  |
| ISOBUTYL ALCOHOL            | 78-83-1    | < 0.5       | 50       | ppm               | TWA    | ACGIH |

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... 212 F  
VAPOR PRESSURE:..... <1 MM HG  
VAPOR DENSITY: ..... 4.50 Air = 1  
EVAPORATION RATE:..... N/D  
SOLUBILITY IN WATER: ..... DISPERSABLE  
SP. GRAVITY:..... 1.190 Water = 1  
PERCENT VOLATILE: ..... 55-65  
VOLATILE ORGANICS: ..... 0.00 gm/l  
G VOC/L 275.25 G VOC/(L-VW-VES) 493.32  
PH: ..... 7.8-8.4  
VISCOSITY: ..... 45K-100K CPS  
APPEARANCE AND ODOR: BUFF, PASTE, SLIGHT KEROSENE ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 142 F CLOSED CUP  
FLAMMABLE LIMITS - LEL: ..... 0.70 %  
FLAMMABLE LIMITS - UEL: ..... 7.00 %  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CARBON DIOXIDE AND VAPORIZING  
LIQUID TYPE EXTINGUISHING AGENTS MAY ALL BE SUITABLE FOR  
EXTINGUISHING FIRES INVOLVING THIS TYPE OF PRODUCT.  
SPECIAL FIRE FIGHTING PROCEDURES:  
TREAT AS OIL FIRE. USE WATER ONLY TO COOL SURROUNDING CONTAINERS OF  
FLAMMABLE OR COMBUSTIBLE MATERIALS.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
DENSE SMOKE MAY BE GENERATED WHEN BURNING.  
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 OXIDIZING AGENTS  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON MONOXIDE, CARBON DIOXIDE, SMOKE PARTICLES

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#### 5. ENVIRONMENTAL INFORMATION

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

RECOMMENDED DISPOSAL:  
INCINERATE COMPLETELY ABSORBED WASTE PRODUCT AND WASTE/BULK PRODUCT  
IN AN INDUSTRIAL WASTE FACILITY. CONSULT APPLICABLE REGULATIONS OR  
AUTHORITIES BEFORE DISPOSAL. U.S. EPA HAZARD WASTE NUMBER: N/A.

ENVIRONMENTAL DATA:  
N/D

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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:  
REMOVE INDIVIDUAL TO 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 OPEN FLAME. USE ONLY IN AREAS WITH  
SUFFICIENT VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW THE  
RECOMMENDED EXPOSURE LIMITS. AVOID EYE AND SKIN CONTACT AND  
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  
MAY PRODUCE DUST 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.

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7. PRECAUTIONARY INFORMATION (continued)

ADDITIONAL EXPOSURE LIMITS

| INGREDIENTS      | EXPOSURE |       | LIMITS |       |
|------------------|----------|-------|--------|-------|
|                  | VALUE    | UNIT  | TYPE   | AUTH  |
| ISOBUTYL ALCOHOL | 150      | mg/m3 | TWA    | ACGIH |
| ISOBUTYL ALCOHOL | 100      | ppm   | TWA    | OSHA  |
| ISOBUTYL ALCOHOL | 300      | 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: IRRITATING TO EYES ON CONTACT.

SKIN CONTACT: PROLONGED SKIN CONTACT MAY DEFAT SKIN LEADING TO IRRITATION OR DERMATITIS.

INHALATION: VAPORS MAY BE IRRITATING TO THE RESPIRATORY SYSTEM. PROLONGED OVEREXPOSURE TO VAPORS MAY CAUSE KIDNEY EFFECTS AND MAY CAUSE TEMPORARY NERVOUS SYSTEM IMPAIRMENT (LIGHTHEADEDNESS).

INGESTION: MAY CAUSE DIGESTIVE SYSTEM IRRITATION. ASPIRATION INTO LUNGS MAY CAUSE LUNG DAMAGE.

SECTION CHANGE DATES

INGREDIENTS SECTION CHANGED SINCE NOVEMBER 23, 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.