

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 ³	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 ³	TWA	CMRG
GLYCERIN	56-81-5	1.0 - 5.0	10	mg/m ³	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

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

00-07
785

Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



MSDS: 3M IMPERIAL Microfinishing Compound P/N 6031
DECEMBER 6, 1988

PAGE: 2 of 3

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
STRONG OXIDIZING AGENTS
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE, SMOKE PARTICLES

5. ENVIRONMENTAL INFORMATION

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

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:
REMOVE INDIVIDUAL TO 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 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.

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

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

00-07
786

Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



MSDS: 3M IMPERIAL Microfinishing Compound P/N 6031
DECEMBER 6, 1988

PAGE: 3 of 3

7. PRECAUTIONARY INFORMATION (continued)

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
ISOBUTYL ALCOHOL	150	mg/m ³	TWA	ACGIH
ISOBUTYL ALCOHOL	100	ppm	TWA	OSHA
ISOBUTYL ALCOHOL	300	mg/m ³	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

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

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.