

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
 St. Paul, Minnesota
 55144-1000
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DIVISION: AUTOMOTIVE AFTERMARKET
 TRADE NAME:

3M(TM) Imperial(TM) Microfinishing Compound-Paste, P.N. 06030, 06031,
 06033

ID NUMBER/U.P.C.:

60-9800-1105-4 00-51131-06031-9 60-9800-1530-3 00-51131-06033-3
 60-9800-1648-3 00-51131-06030-2

ISSUED: October 24, 2000

SUPERSEDES: October 05, 2000

DOCUMENT:10-2869-5

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	30.0 - 45.0
TRIPOLI (CRYSTALLINE SILICA).....	1317-95-9	25.0 - 35.0
HYDROTREATED LIGHT PETROLEUM DISTILLATES.....	64742-47-8	10.0 - 20.0
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	64742-88-7	1.0 - 10.0
SOLVENT-REFINED HEAVY PARAFFINIC PETROLEUM DISTILLATES.....	64741-88-4	1.0 - 5.0
GLYCERIN.....	56-81-5	1.0 - 5.0
OLEIC ACID.....	112-80-1	1.0 - 5.0

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
 SPECIFIC GRAVITY:..... 1.190 Water=1
 PERCENT VOLATILE:..... 55 - 65 % by wt
 pH:..... 7.8-8.4
 VISCOSITY:..... 45K-100K CPS
 MELTING POINT:..... N/D

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

2. PHYSICAL DATA (continued)

APPEARANCE AND ODOR:

paste, buff, slight kerosene odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 142 F CC

FLAMMABLE LIMITS - LEL:..... 0.70 %

FLAMMABLE LIMITS - UEL:..... 7.00 %

AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 2 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IIIA Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or Particulates.

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5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Extinguish all ignition sources. Evacuate unprotected personnel from hazard area. Cover with inorganic absorbent material. Cover spill area with Light Water Brand or other ATC foam. (For further information on ATC foam usage, contact 3M Fire Protection Systems.) Collect using non-sparking tools. Clean up residue with water. Place in an approved metal container. Seal the container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustible material. Disposal alternative: Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 2.07 lb/gal calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: 248 gms/liter calculated per SCAQMD rule 443.1.
VOC Less H2O & Exempt Solvents: 444 gms/liter calculated per SCAQMD rule 443.1.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

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6. SUGGESTED FIRST AID (continued)

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear vented goggles.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: nitrile rubber, fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors. Avoid breathing of dust created by cutting, sanding or grinding. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half-mask organic vapor respirator with dust/mist prefilter, full-face organic vapor respirator with dust/mist prefilter

Continuous spurring of dry buff pads may produce dust conditions in excess of the OSHA Permissible Exposure Limit (PEL) or the Threshold Limit Value (TLV) for crystalline silica.

When cleaning or spurring a dry buff pad used with this product, use appropriate local exhaust to control dust, or use appropriate respiratory protection to avoid inhalation of dusts.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition.

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 7. PRECAUTIONARY INFORMATION (continued)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER.....	NONE	NONE	NONE	NONE	
TRIPOLI (CRYSTALLINE SILICA).....	0.1	MG/M3	TWA	ACGIH	
			as quartz resp. dust		
TRIPOLI (CRYSTALLINE SILICA).....	0.1	MG/M3	TWA	OSHA	
			as quartz resp. dust		
HYDROTREATED LIGHT PETROLEUM DISTILLATES.....	300	PPM	TWA	CMRG	
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	100	PPM	TWA	CMRG	
SOLVENT-REFINED HEAVY PARAFFINIC PETROLEUM DISTILLATES.....	5	MG/M3	TWA	CMRG	
GLYCERIN.....	10	MG/M3	TWA	ACGIH	
			AS MIST		
GLYCERIN.....	10	MG/M3	TWA	OSHAV	
			AS MIST		
			OSHA VACATED PEL: TOTAL DUST		
GLYCERIN.....	15	MG/M3	TWA	OSHA	
			AS MIST		
			TOTAL DUST		
GLYCERIN.....	5	MG/M3	TWA	OSHA	
			AS MIST		
			RESPIRABLE FRACTION		
OLEIC ACID.....	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL.
 Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- NONE: None Established

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8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

May be harmful if inhaled.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Silicosis: signs/symptoms can include shortness of breath and persistent coughing.

IF SWALLOWED:

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

CANCER:

WARNING: Contains a chemical which can cause cancer. (1317-95-9)
(IARC 1 - human carcinogen, Calif. Proposition 65)

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE October 05, 2000 ISSUE

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