

MATERIAL SAFETY 3M  
 DATA SHEET 3M Center  
 St. Paul, Minnesota  
 55144-1000  
 1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: AUTOMOTIVE AFTERMARKET

TRADE NAME:

3M Perfect-It (TM) II Paste Rubbing Compound Fine Cut, P.N. 38502,  
 39502, 39502S

ID NUMBER/U.P.C.:

60-9800-2321-6 00-51131-39502-2 60-9800-2929-6 00-51131-39502-2  
 60-9800-2967-6 00-51131-38502-3

ISSUED: October 18, 2000

SUPERSEDES: September 29, 2000

DOCUMENT: 07-0552-5

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	30.0 - 60.0
QUARTZ SILICA (CRYSTALLINE SILICA).....	14808-60-7	15.0 - 25.0
HYDROTREATED LIGHT PETROLEUM DISTILLATES.....	64742-47-8	10.0 - 30.0
KAOLINITE.....	1318-74-7	5.0 - 15.0
GLYCERIN.....	56-81-5	1.0 - 5.0
SOLVENT-REFINED HEAVY PARAFFINIC PETROLEUM DISTILLATES.....	64741-88-4	1.0 - 5.0
OLEIC ACID.....	112-80-1	1.0 - 5.0
POLY(OXYETHYLENE)SORBITAN MONOSTEARATE..	9005-67-8	1.0 - 5.0
DIETHANOLAMINE.....	111-42-2	< 1.0

The components of this product are in compliance with the chemical  
 notification requirements of TSCA. All applicable chemical  
 ingredients in this material are listed on the European Inventory of  
 Existing Chemical Substances (EINECS), or are exempt polymers whose  
 monomers are listed on EINECS.

This product contains the following toxic chemical or chemicals subject to  
 the reporting requirements of Section 313 of Title III of the Emergency  
 Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:  
 DIETHANOLAMINE

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

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2. PHYSICAL DATA  
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BOILING POINT:..... 150 - 212 F  
VAPOR PRESSURE:..... < 1 Air=1  
VAPOR DENSITY:..... > 1.00 Air=1  
EVAPORATION RATE:..... 1.00 Water=1  
SOLUBILITY IN WATER:..... complete  
SPECIFIC GRAVITY:..... 1.0 - 1.2 Water=1  
PERCENT VOLATILE:..... 60 - 65 %  
pH:..... 7.8 - 8.5  
VISCOSITY:..... 80000 - 120000 centipoise  
MELTING POINT:..... N/D

APPEARANCE AND ODOR:  
Liquid, Mild Solvent Odor, Cream Color

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... 155 F PMCC  
Firepoint: 150 F.  
FLAMMABLE LIMITS - LEL:..... N/D  
FLAMMABLE LIMITS - UEL:..... N/D  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:  
Water, Dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:  
Water may be used to blanket the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 1 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Not applicable

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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4. REACTIVITY DATA (continued)  
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HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide and Carbon Dioxide.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustible material.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 22.3 % by wt.  
Volatile Organic Compounds: 2.0 lb/gal calculated per SCAQMD rule 443.1.  
Volatile Organic Compounds: 243 gms/liter calculated per SCAQMD rule 443.1.  
VOC Less H2O & Exempt Solvents: 377 gms/liter calculated per SCAQMD rule 443.1.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. 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

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6. SUGGESTED FIRST AID  
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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.

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6. SUGGESTED FIRST AID (continued)  
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INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

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

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Avoid eye contact.

SKIN PROTECTION:

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

RECOMMENDED VENTILATION:

Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

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

The use of a proper government approved respirator is required if contaminant concentrations exceed the OSHA Permissible Exposure Limit (PEL) or Threshold Limit Value (TLV).

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Store out of direct sunlight. Keep container closed when not in use. 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)  
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EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER.....	NONE	NONE	NONE	NONE	
QUARTZ SILICA (CRYSTALLINE SILICA)...	0.1	MG/M3	TWA	OSHA	
			as quartz resp. dust		

QUARTZ SILICA (CRYSTALLINE SILICA)...	0.05	MG/M3	TWA	ACGIH	
			as quartz resp. dust		
HYDROTREATED LIGHT PETROLEUM					
DISTILLATES.....	300	PPM	TWA	CMRG	
KAOLINITE.....	NONE	NONE	NONE	NONE	
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		
SOLVENT-REFINED HEAVY PARAFFINIC					
PETROLEUM DISTILLATES.....	5	MG/M3	TWA	CMRG	
OLEIC ACID.....	NONE	NONE	NONE	NONE	
POLY(OXYETHYLENE)SORBITAN					
MONOSTEARATE.....	NONE	NONE	NONE	NONE	
DIETHANOLAMINE.....	2	MG/M3	TWA	ACGIH	Y
DIETHANOLAMINE.....	3	PPM	TWA	OSHA	

\* 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  
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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:

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.

During buffing pad spurring:

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

WARNING: Airborne crystalline silica generated from the dry buff pads may produce dust conditions in excess of the OSHA Permissible Exposure Limit (PEL) or Threshold Limit Value (TLV) for crystalline silica. The use of a proper government approved respirator is required if contaminant concentrations exceed the PEL or TLV.

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. (14808-60-7) (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65)

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SECTION CHANGE DATES  
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PRECAUTIONARY INFO. SECTION CHANGED SINCE September 29, 2000 ISSUE

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