

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: MARINE TRADES PROJECT  
 TRADE NAME:

3M(TM) Marine Fiberglass Restorer and Wax - Paste, P.N. 09012, 09012E,  
 09013, 09014

ID NUMBER/U.P.C.:

60-9800-2025-3 00-51131-09012-5 60-9800-2026-1 00-51131-09013-2  
 60-9800-2027-9 00-51131-09014-9 60-9800-2585-6 00-51131-46818-4  
 60-9800-2587-2 00-51131-09014-9 60-9800-3550-9 00-51131-16896-1

ISSUED: May 05, 2000

SUPERSEDES: October 23, 1998

DOCUMENT: 06-3263-8

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	30.0 - 60.0
TRIPOLI (CRYSTALLINE SILICA).....	1317-95-9	10.0 - 25.0
HYDROTREATED LIGHT PETROLEUM		
DISTILLATES.....	64742-47-8	10.0 - 20.0
ALUMINUM SILICATE.....	66402-68-4	5.0 - 10.0
POLY(DIMETHYLSILOXANE).....	63148-62-9	1.0 - 5.0
MONTAN WAX.....	8002-53-7	1.0 - 5.0
CARNAUBA WAX.....	8015-86-9	1.0 - 5.0
MORPHOLINE.....	110-91-8	0.1 - 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.

For technical service and product information/support, call  
 1-877-366-2746 (1-877-3M MARINE).

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:..... < 16 mmHg  
VAPOR DENSITY:..... > 1.00 Air=1  
EVAPORATION RATE:..... > 1 Water=1  
SOLUBILITY IN WATER:..... moderate  
SPECIFIC GRAVITY:..... 1.14 Water=1  
PERCENT VOLATILE:..... 55 - 60 %  
pH:..... 7.6 - 8.2  
VISCOSITY:..... 100000 - 150000 centipoise  
MELTING POINT:..... N/D

APPEARANCE AND ODOR:  
Paste, mild solvent odor, tan to beige color.

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... > 150 F PMCC  
ASTM D93  
FLAMMABLE LIMITS - LEL:..... N/D  
FLAMMABLE LIMITS - UEL:..... N/D  
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: 1 FIRE: 1 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA  
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STABILITY: Stable

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4. REACTIVITY DATA (continued)  
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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  
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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:  
Small quantities (less than 5 gal.(19 L)) may be discharged to a  
wastewater treatment system. Incinerate large quantities in an  
industrial or commercial incinerator.

ENVIRONMENTAL DATA:  
Not determined.

REGULATORY INFORMATION:  
Volatile Organic Compounds: 1.89 lb/gal calculated per SCAQMD rule 443.1.  
Volatile Organic Compounds: 227 gms/liter calculated per SCAQMD rule  
443.1.  
VOC Less H2O & Exempt Solvents: 418 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

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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.

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6. SUGGESTED FIRST AID (continued)  
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SKIN CONTACT:

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

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. Wear vented goggles. Wear safety glasses with side shields.

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.

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 dust respirator

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:

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

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 7. PRECAUTIONARY INFORMATION (continued)  
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RECOMMENDED STORAGE:

Store at temperatures above 32 degrees F (0 degrees C). 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.

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	
ALUMINUM SILICATE.....	NONE	NONE	NONE	NONE	
POLY(DIMETHYLSILOXANE).....	NONE	NONE	NONE	NONE	
MONTAN WAX.....	NONE	NONE	NONE	NONE	
CARNAUBA WAX.....	NONE	NONE	NONE	NONE	
MORPHOLINE.....	20	PPM	TWA	ACGIH	Y
MORPHOLINE.....	20	PPM	TWA	OSHA	Y
MORPHOLINE.....	30	PPM	STEL	OSHA	Y

\* 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
- 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.

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8. HEALTH HAZARD DATA (continued)  
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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.

WARNING: Airborne crystalline silica generated from dry pads may  
cause silicosis and is a human carcinogen. Dusts which can  
be dangerous to health include particles so small that they cannot be  
seen. While cleaning (spurring pads), wear an appropriate government  
approved respirator. 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). The  
use of a government approved respirator is required if contaminant  
concentrations exceed the PEL or TLV.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE  
INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE  
INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD,  
THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

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

IF SWALLOWED:

Ingestion may cause:

Gastrointestinal Effects: signs/symptoms generally will include  
abdominal pain.

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)

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SECTION CHANGE DATES  
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INGREDIENTS	SECTION CHANGED SINCE	October 23, 1998	ISSUE
ENVIRONMENTAL INFO.	SECTION CHANGED SINCE	October 23, 1998	ISSUE
SUGG. FIRST AID	SECTION CHANGED SINCE	October 23, 1998	ISSUE
PRECAUTIONARY INFO.	SECTION CHANGED SINCE	October 23, 1998	ISSUE
HEALTH HAZARD DATA	SECTION CHANGED SINCE	October 23, 1998	ISSUE

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