

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
 St. Paul, Minnesota
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DIVISION: MARINE TRADES PROJECT
 TRADE NAME:

3M(TM) Marine Fiberglass Cleaner and Wax, P.N. 09009, 09010, 09010E,
 09011

ID NUMBER/U.P.C.:

60-9800-1769-7	00-51131-09009-5	60-9800-2022-0	00-51131-09009-5
60-9800-2023-8	00-51131-09010-1	60-9800-2024-6	00-51131-09011-8
60-9800-2589-8	00-51131-46817-7	60-9800-2590-6	00-51131-09011-8
60-9800-2591-4	00-51131-09011-8	60-9800-3244-9	00-51131-09009-5

ISSUED: May 05, 2000

SUPERSEDES: September 03, 1998

DOCUMENT: 06-3260-4

1. INGREDIENT	C.A.S. NO.	PERCENT	
WATER.....	7732-18-5	30.0	- 60.0
HYDROTREATED LIGHT PETROLEUM			
DISTILLATES.....	64742-47-8	20.0	- 30.0
TRIPOLI (CRYSTALLINE SILICA).....	1317-95-9	10.0	- 20.0
ALUMINUM SILICATE.....	66402-68-4	3.0	- 7.0
MONTAN WAX.....	8002-53-7	1.0	- 5.0
POLY(DIMETHYLSILOXANE).....	63148-62-9	1.0	- 5.0
CARNAUBA WAX.....	8015-86-9	1.0	- 5.0
MORPHOLINE.....	110-91-8		< 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.

2. PHYSICAL DATA

BOILING POINT:..... 150 - 212 F
 VAPOR PRESSURE:..... < 16 mmHg
 VAPOR DENSITY:..... > 1.00 Air=1
 EVAPORATION RATE:..... > 1 Water=1
 SOLUBILITY IN WATER:..... moderate

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

2. PHYSICAL DATA (continued)

SPECIFIC GRAVITY:..... 1.07 Water=1
PERCENT VOLATILE:..... 64.5 %
pH:..... 7.8 - 8.4
VISCOSITY:..... 15000 - 25000 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Paste, mild solvent odor, tan to beige color.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... > 200 F CC
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: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

4. REACTIVITY DATA

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)

HAZARDOUS DECOMPOSITION PRODUCTS:

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

5. ENVIRONMENTAL INFORMATION

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: 1.86 lb/gal calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: 223 gms/liter calculated per SCAQMD rule
443.1.
VOC Less H2O & Exempt Solvents: 419 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: No 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.

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6. SUGGESTED FIRST AID (continued)

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.

7. PRECAUTIONARY INFORMATION

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.

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.

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7. PRECAUTIONARY INFORMATION (continued)

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	
HYDROTREATED LIGHT PETROLEUM DISTILLATES.....	300	PPM	TWA	CMRG	
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			
ALUMINUM SILICATE.....	NONE	NONE	NONE	NONE	
MONTAN WAX.....	NONE	NONE	NONE	NONE	
POLY(DIMETHYLSILOXANE).....	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

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.

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8. HEALTH HAZARD DATA (continued)

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

INGREDIENTS	SECTION CHANGED SINCE	September 03, 1998	ISSUE
ENVIRONMENTAL INFO.	SECTION CHANGED SINCE	September 03, 1998	ISSUE
SUGG. FIRST AID	SECTION CHANGED SINCE	September 03, 1998	ISSUE
PRECAUTIONARY INFO.	SECTION CHANGED SINCE	September 03, 1998	ISSUE
HEALTH HAZARD DATA	SECTION CHANGED SINCE	September 03, 1998	ISSUE

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