

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
 St. Paul, Minnesota
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DIVISION: MARINE TRADES PROJECT
 TRADE NAME:
 3M(TM) Marine High Gloss Gelcoat Compound, P.N. 06024, 06025, 06026
 ID NUMBER/U.P.C. :
 60-9800-2387-7 00-51131-06025-8 60-9800-2388-5 00-51131-06026-5
 60-9800-3258-9 00-51131-46800-9 60-9800-3682-0 00-51131-06024-1
 ISSUED: December 13, 2001
 SUPERSEDES: December 27, 2000
 DOCUMENT: 06-9730-0

1. INGREDIENT	C.A.S. NO.	PERCENT	
ALUMINUM OXIDE.....	1344-28-1	30.0	- 60.0
WATER.....	7732-18-5	10.0	- 30.0
DISTILLATES (PETROLEUM), ACID TREATED, LIGHT.....	64742-14-9	5.0	- 10.0
KEROSENE.....	8008-20-6	5.0	- 10.0
STODDARD SOLVENT.....	8052-41-3	1.0	- 5.0
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	64742-88-7	1.0	- 5.0
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)..	64742-48-9	1.0	- 5.0
POLY(OXYETHYLENE)SORBITAN MONOSTEARATE..	9005-67-8	1.0	- 5.0
SORBITAN OLEATE.....	1338-43-8	1.0	- 5.0
OLEIC ACID.....	112-80-1	1.0	- 5.0
GLYCERIN.....	56-81-5	1.0	- 5.0
ISOPROPYL ALCOHOL.....	67-63-0	1.0	- 5.0
WHITE MINERAL OIL (PETROLEUM).....	8042-47-5	1.0	- 5.0
TRIETHANOLAMINE.....	102-71-6	1.0	- 5.0

The components of this product are in compliance with the chemical
 notification requirements of TSCA.

2. PHYSICAL DATA

BOILING POINT:..... ca. 212.00 F
 VAPOR PRESSURE:..... < 1.0000 mmHg
 VAPOR DENSITY:..... < 1.00 Air=1
 EVAPORATION RATE:..... N/D
 SOLUBILITY IN WATER:..... complete

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

2. PHYSICAL DATA (continued)

SPECIFIC GRAVITY:..... 1.150 Water=1
PERCENT VOLATILE:..... ca. 56 %
pH:..... 7.90 - 8.40
VISCOSITY:..... 8000 - 14000 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
liquid, white, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 103 F PMCC
ASTM D93
FLAMMABLE LIMITS - LEL:..... 1.00 %
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. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None known.

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

OSHA FIRE HAZARD CLASS: Class II 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.

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. Contain spill. Evacuate unprotected personnel from hazard area. Cover with absorbent material. Collect using non-sparking tools. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in an approved metal container. Seal the container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 2.76 lb/gal calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: 331 gms/liter calculated per SCAQMD rule 443.1.
VOC Less H2O & Exempt Solvents: 471 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 = D001 (Ignitable)

EPCRA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

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

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6. SUGGESTED FIRST AID (continued)

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.

IF SWALLOWED:

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

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:

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

RECOMMENDED VENTILATION:

Do not use in a confined area or areas with little or no air movement. Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Store away from heat. 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 away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

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7. PRECAUTIONARY INFORMATION (continued)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ALUMINUM OXIDE.....	1.0	FIBER/CC	TWA	CMRG	
ALUMINUM OXIDE.....	1.0	FIBER/CC	TWA	OSHA	
		PROPOSED			
ALUMINUM OXIDE.....	10	MG/M3	TWA	OSHAV	
		AS DUST			
		OSHA VACATED PEL			
ALUMINUM OXIDE.....	10	MG/M3	TWA	ACGIH	
		as Al			
ALUMINUM OXIDE.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
ALUMINUM OXIDE.....	5	MG/M3	TWA	OSHA	
		RESPIRABLE			
WATER.....	NONE	NONE	NONE	NONE	
DISTILLATES (PETROLEUM), ACID TREATED, LIGHT.....	NONE	NONE	NONE	NONE	
KEROSENE.....	500	PPM	TWA	CMRG	
STODDARD SOLVENT.....	100	PPM	TWA	ACGIH	
STODDARD SOLVENT.....	100	PPM	TWA	OSHAV	
STODDARD SOLVENT.....	500	PPM	TWA	OSHA	
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	100	PPM	TWA	CMRG	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	100	PPM	TWA	3M	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	300	PPM	TWA	CMRG	
POLY(OXYETHYLENE)SORBITAN MONOSTEARATE.....	NONE	NONE	NONE	NONE	
SORBITAN OLEATE.....	NONE	NONE	NONE	NONE	
OLEIC ACID.....	10	MG/M3	TWA	OSHA	
		AS MIST			
OLEIC ACID.....	10	MG/M3	TWA	ACGIH	
		AS MIST			
GLYCERIN.....	10	MG/M3	TWA	ACGIH	
		AS MIST			
GLYCERIN.....	10	MG/M3	TWA	OSHAV	
		AS MIST, TOTAL DUST			
		OSHA VACATED PEL			
GLYCERIN.....	15	MG/M3	TWA	OSHA	
		AS MIST, TOTAL DUST			
GLYCERIN.....	5	MG/M3	TWA	OSHA	
		AS MIST, RESPIRABLE			
ISOPROPYL ALCOHOL.....	400	PPM	TWA	ACGIH	
ISOPROPYL ALCOHOL.....	500	PPM	STEL	ACGIH	
ISOPROPYL ALCOHOL.....	400	PPM	TWA	OSHA	
ISOPROPYL ALCOHOL.....	500	PPM	STEL	OSHA	
WHITE MINERAL OIL (PETROLEUM).....	5	MG/M3	TWA	CMRG	

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WHITE MINERAL OIL (PETROLEUM).....	10	MG/M3	STEL	CMRG	
TRIETHANOLAMINE.....	5	MG/M3	TWA	ACGIH	

* 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:

- 3M: 3M Recommended Exposure Guidelines
- 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

8. HEALTH HAZARD DATA

EYE CONTACT:

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

SKIN CONTACT:

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

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.

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.

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8. HEALTH HAZARD DATA (continued)

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

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

IF SWALLOWED:

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

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.

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back 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.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE December 27, 2000	ISSUE
INGREDIENTS	SECTION CHANGED SINCE December 27, 2000	ISSUE

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