

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

3M(TM) Imperial(TM) Hand Glaze, P.N. 05989, 05990, 06000
 ID NUMBER/U.P.C. :
 60-9800-0965-2 00-51131-05990-0 60-9800-1129-4 00-51131-06000-5
 60-9800-1528-7 00-51131-05989-4 CN-1006-9456-7 - - -
 XC-0616-7893-1 - - -
 ISSUED: May 03, 2001
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 DOCUMENT:10-2861-2

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	60.0 - 90.0
WHITE MINERAL OIL (PETROLEUM).....	8042-47-5	3.0 - 7.0
ALUMINUM SILICATE.....	66402-68-4	1.0 - 5.0
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)..	64742-48-9	3.0 - 7.0
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	64742-88-7	3.0 - 7.0
CASTOR OIL.....	TradeSecret	1.0 - 5.0
GLYCERIN.....	56-81-5	1.0 - 5.0

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

2. PHYSICAL DATA

BOILING POINT:..... 212 F
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... > 1.00 Air=1
 EVAPORATION RATE:..... 4.40 Ether=1
 SOLUBILITY IN WATER:..... DILUTABLE
 SPECIFIC GRAVITY:..... 0.996 Water=1
 PERCENT VOLATILE:..... 80 - 90 %
 pH:..... 7.8-8.0
 VISCOSITY:..... 3.5K-4.5K CPS
 MELTING POINT:..... N/D

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

2. PHYSICAL DATA (continued)

APPEARANCE AND ODOR:

Liquid, light orange-brown, faint sweet odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 120 F SETAFLASH
FLAMMABLE LIMITS - LEL:..... 0.80 %
FLAMMABLE LIMITS - UEL:..... 6.00 %
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: 1 FIRE: 2 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

None known.

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. Contain spill. Evacuate unprotected personnel from hazard area. Cover with inorganic absorbent material. Collect using non-sparking tools. Clean up residue with water. Place in an approved metal container. Seal the container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator. Disposal alternative: Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 1.01 lb/gal EPA Method 24.
Volatile Organic Compounds: 122 gms/liter EPA Method 24 / ASTM D2369.
VOC Less H2O & Exempt Solvents: 453 gms/liter EPA Method 24.

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.

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.

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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.

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, polyvinyl alcohol, fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors.

PREVENTION OF ACCIDENTAL INGESTION:

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

RECOMMENDED STORAGE:

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. Combustible liquid and vapor.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER.....	NONE	NONE	NONE	NONE	
WHITE MINERAL OIL (PETROLEUM).....	5	MG/M3	TWA	CMRG	
WHITE MINERAL OIL (PETROLEUM).....	10	MG/M3	STEL	CMRG	
ALUMINUM SILICATE.....	NONE	NONE	NONE	NONE	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	100	PPM	TWA	3M	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	300	PPM	TWA	CMRG	
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	100	PPM	TWA	CMRG	
CASTOR OIL.....	NONE	NONE	NONE	NONE	
GLYCERIN.....	10	MG/M3	TWA	ACGIH	

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
					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

* 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 (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.

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8. HEALTH HAZARD DATA (continued)

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.

SECTION CHANGE DATES

HEALTH HAZARD DATA SECTION CHANGED SINCE January 02, 2001 ISSUE

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