

MATERIAL SAFETY DATA SHEET 3M
 3M Center
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DIVISION: AUTOMOTIVE AFTERMARKET
 TRADE NAME:

3M(TM) Perfect-It(TM) Hand Glaze PN 05965, 05997, 06007
 ID NUMBER/U.P.C.:
 60-9800-1730-9 00-51131-05997-9 60-9800-2002-2 00-51131-06007-4
 60-9800-2092-3 00-51131-05965-8
 ISSUED: January 03, 2001
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1. INGREDIENT	C.A.S. NO.	PERCENT	
WATER.....	7732-18-5	40.0	- 70.0
DISTILLATES (PETROLEUM), ACID TREATED, LIGHT.....	64742-14-9	7.0	- 13.0
ALUMINUM OXIDE.....	1344-28-1	1.0	- 5.0
POLYURETHANE DISPERSION.....	71394-31-5	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
WHITE MINERAL OIL (PETROLEUM).....	8042-47-5	1.0	- 5.0
CARNAUBA WAX.....	8015-86-9	1.0	- 5.0
PROCESSED CASTOR OIL (TRADESECRET).....	Unknown	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. 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:..... 198.00 F
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... > 1.00 Air=1
 EVAPORATION RATE:..... 1.00 Water=1
 SOLUBILITY IN WATER:..... complete
 SPECIFIC GRAVITY:..... 8.050 - 8.250 lb/gal

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

2. PHYSICAL DATA (continued)

PERCENT VOLATILE:..... ca. 75 %
PH:..... 8.00 - 8.60
VISCOSITY:..... N/D
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
liquid, off white/beige, solvent/wax odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 131.00 F
Closed Cup
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
Water, 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

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: 194.62 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.

VOC Less H2O & Exempt Solvents: 420.83 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.

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.

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:

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	
DISTILLATES (PETROLEUM), ACID TREATED, LIGHT.....	NONE	NONE	NONE	NONE	
ALUMINUM OXIDE.....	1.0	FIBER/CC	TWA	CMRG	
ALUMINUM OXIDE.....	1.0	FIBER/CC	TWA	OSHA	
ALUMINUM OXIDE.....	10	MG/M3	TWA	OSHAV	
		AS DUST			
ALUMINUM OXIDE.....	10	MG/M3	TWA	ACGIH	
		as Al			

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ALUMINUM OXIDE.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
ALUMINUM OXIDE.....	5	MG/M3	TWA	OSHA	
		RESPIRABLE			
POLYURETHANE DISPERSION.....	NONE	NONE	NONE	NONE	
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	100	PPM	TWA	CMRG	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	100	PPM	TWA	3M	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	300	PPM	TWA	CMRG	
WHITE MINERAL OIL (PETROLEUM).....	5	MG/M3	TWA	CMRG	
WHITE MINERAL OIL (PETROLEUM).....	10	MG/M3	STEL	CMRG	
CARNAUBA WAX.....	NONE	NONE	NONE	NONE	
PROCESSED CASTOR OIL (TRADESECRET)...	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			

* 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.

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8. HEALTH HAZARD DATA (continued)

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.

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.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE October 25, 2000	ISSUE
INGREDIENTS	SECTION CHANGED SINCE October 25, 2000	ISSUE

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