

MATERIAL SAFETY
DATA SHEET

3M
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DIVISION: AUTOMOTIVE AFTERMARKET

TRADE NAME:

3M Super Fast Urethane (Black), P.N. 08609
ID NUMBER/U.P.C.:

60-9800-1969-3 00-51135-08609-4

ISSUED: May 21, 2001

(Inactive)

SUPERSEDES: May 15, 2001

DOCUMENT: 05-9867-2

1. INGREDIENT	C.A.S. NO.	PERCENT
VM & P NAPHTHA.....	8032-32-4	20.0 - 30.0
URETHANE PREPOLYMER.....	65104-86-1	20.0 - 30.0
HYDROGENATED TERPHENYL.....	61788-32-7	20.0 - 30.0
LIMESTONE.....	1317-65-3	10.0 - 15.0
POLYPHENYLS, QUATER- AND HIGHER, PARTIALLY HYDROGENATED.....	68956-74-1	1.0 - 5.0
CARBON BLACK.....	1333-86-4	1.0 - 5.0
FUMED SILICA.....	67762-90-7	1.0 - 5.0
TERPHENYL.....	26140-60-3	1.0 - 5.0
SILANE ISOCYANATE.....	85702-90-5	1.0 - 5.0
ZINC OXIDE.....	1314-13-2	< 1.0
P,P'-METHYLENEBIS(PHENYL ISOCYANATE)....	101-68-8	< 1.0
N-BUTYL ACETATE.....	123-86-4	< 0.5
XYLENE.....	1330-20-7	< 0.5

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.

This product contains the following toxic chemical or chemicals subject to
the reporting requirements of Section 313 of Title III of the Emergency
Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

ZINC OXIDE

P,P'-METHYLENEBIS(PHENYL ISOCYANATE)

XYLENE

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

2. PHYSICAL DATA

BOILING POINT:..... 240.00 F
(naphthol spirits)
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... 2.50 Air=1
EVAPORATION RATE:..... 7.10 Ether=1
SOLUBILITY IN WATER:..... Nil
SPECIFIC GRAVITY:..... 1.200 Water=1
PERCENT VOLATILE:..... ca. 5 %
pH:..... N/A
VISCOSITY:..... Thixotropic
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Black paste, naphthol spirits odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 143 F PMCC
ASTM D93-A
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:

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 3 FIRE: 3 REACTIVITY: 1
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

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4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Amines, Alcohols, Water. Reaction with water, alcohols and amines is not hazardous if container can vent to the atmosphere to prevent pressure buildup.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

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

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. Collect using non-sparking tools. Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Alternatively, pour water on spill and allow to react for more than 30 minutes. Cover with absorbent. Place in an approved drum, but do not seal the drum for 48 hours to avoid possible pressure buildup. Neutralize spill residue with decontaminant solution.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 0.5 lb/gal calculated.
Volatile Organic Compounds: 60 gms/liter calculated per SCAQMD rule 443.1.
VOC Less H₂O & Exempt Solvents: 62 gms/liter ASTM METHOD.

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: Yes

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6. SUGGESTED FIRST AID

EYE CONTACT:

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

SKIN CONTACT:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

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 vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material.

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. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask supplied air respirator, full-face supplied air respirator.

PREVENTION OF ACCIDENTAL INGESTION:

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

RECOMMENDED STORAGE:

Store away from heat. Keep container dry. 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*
VM & P NAPHTHA.....	100	PPM	TWA	CMRG	
VM & P NAPHTHA.....	300	PPM	TWA	ACGIH	
VM & P NAPHTHA.....	300	PPM	TWA	OSHA	
URETHANE PREPOLYMER.....	NONE	NONE	NONE	NONE	
HYDROGENATED TERPHENYL.....	0.5	PPM	TWA	ACGIH	
HYDROGENATED TERPHENYL.....	0.5	PPM	TWA	OSHA	
LIMESTONE.....	10	MG/M3	TWA	ACGIH	
LIMESTONE.....	15	MG/M3	TWA	OSHA	
	AS TOTAL DUST				
LIMESTONE.....	5	MG/M3	TWA	OSHA	
	RESPIRABLE				
POLYPHENYLS, QUATER- AND HIGHER, PARTIALLY HYDROGENATED.....	NONE	NONE	NONE	NONE	
CARBON BLACK.....	3.5	MG/M3	TWA	ACGIH	
CARBON BLACK.....	3.5	MG/M3	TWA	OSHA	
CARBON BLACK.....	0.5	MG/M3	TWA	CMRG	
FUMED SILICA.....	5	MG/M3	CEIL	CMRG	
	AS DUST				
TERPHENYL.....	5	MG/M3	CEIL	ACGIH	
TERPHENYL.....	0.5	PPM	CEIL	OSHA	
SILANE ISOCYANATE.....	NONE	NONE	NONE	NONE	
ZINC OXIDE.....	10	MG/M3	TWA	ACGIH	
	AS DUST				
ZINC OXIDE.....	10	MG/M3	TWA	OSHAV	
	AS DUST				
	OSHA VACATED PEL				
ZINC OXIDE.....	5	MG/M3	TWA	ACGIH	
	as fume				
ZINC OXIDE.....	10	MG/M3	STEL	ACGIH	
	as fume				
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
	as fume				
ZINC OXIDE.....	10	MG/M3	STEL	OSHAV	
	as fume				
	OSHA VACATED PEL				
ZINC OXIDE.....	15	MG/M3	TWA	OSHA	
	AS TOTAL DUST				
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
	RESPIRABLE				
P,P'-METHYLENEBIS(PHENYL ISOCYANATE).....	0.02	PPM	CEIL	OSHA	

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
P, P'-METHYLENEBIS(PHENYL ISOCYANATE).....	0.005	PPM	TWA	ACGIH	
N-BUTYL ACETATE.....	150	PPM	TWA	OSHA	
N-BUTYL ACETATE.....	200	PPM	STEL	OSHA	
N-BUTYL ACETATE.....	150	PPM	TWA	ACGIH	
N-BUTYL ACETATE.....	200	PPM	STEL	ACGIH	
XYLENE.....	100	PPM	TWA	ACGIH	
XYLENE.....	150	PPM	STEL	ACGIH	
XYLENE.....	100	PPM	TWA	OSHA	
XYLENE.....	150	PPM	STEL	OSHA	

* 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
- 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.

Prolonged or repeated exposure may cause:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

INHALATION:

May be harmful if inhaled.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

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8. HEALTH HAZARD DATA (continued)

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

Allergic Respiratory Reaction: signs/symptoms can include difficulty breathing, wheezing, tightness of chest, and respiratory failure.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

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

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. (1333-86-4)
(IARC possible human carcinogen 2B)

OTHER HEALTH HAZARD INFORMATION:

P,P'-METHYLENEBIS(PHENYL ISOCYANATE) (101-68-8): Persons previously sensitized to an isocyanate, or persons with a preexisting, non-specific bronchial hyperreactivity can respond to concentrations below the TLV. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath, or asthma attack, could be immediate or delayed (up to several hours after exposure).

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE May 15, 2001

ISSUE

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