

MATERIAL SAFETY
DATA SHEET

3M
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DIVISION: AUTOMOTIVE AFTERMARKET

TRADE NAME:

3M(TM) Automix(TM) Flexible Parts Putty, P.N. 08244

ID NUMBER/U.P.C.:

60-9800-3001-3 00-51135-08244-7

ISSUED: November 12, 2001

SUPERSEDES: March 28, 2001

DOCUMENT: 07-8810-9

1. INGREDIENT	C.A.S. NO.	PERCENT
CALCIUM CARBONATE.....	471-34-1	15.0 - 40.0
TALC.....	14807-96-6	15.0 - 40.0
ISOPROPYL ALCOHOL.....	67-63-0	15.0 - 40.0
TOLUENE.....	108-88-3	10.0 - 20.0
POLYURETHANE.....	TradeSecret	7.0 - 13.0
IRON OXIDE.....	1332-37-2	1.0 - 5.0
SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE.....	112945-52-5	1.0 - 5.0
MAGNESIUM CARBONATE.....	546-93-0	< 2.0
QUARTZ SILICA.....	14808-60-7	< 0.2

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:

TOLUENE

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

2. PHYSICAL DATA

BOILING POINT:..... 181 F
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... > 1.00 Air=1
EVAPORATION RATE:..... > 1.00 Ether=1
SOLUBILITY IN WATER:..... nil
SPECIFIC GRAVITY:..... 1.40 - 1.45 Water=1
PERCENT VOLATILE:..... 32 % by wt
pH:..... N/A
VISCOSITY:..... 90 - 150 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Paste, smooth red, alcohol odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 50 F Setaflash
FLAMMABLE LIMITS - LEL:..... 1.00 % by vol
FLAMMABLE LIMITS - UEL:..... 13.00 % by vol
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:

Not applicable.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IB Flammable Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Not applicable.

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:

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. Evacuate unprotected personnel from hazard area. Cover with absorbent material. Cover spill area with Light Water Brand or other AFFF foam. (For further information on AFFF foam usage, contact 3M Fire Protection Systems.) 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: 3.67 lb/gal calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: 441 gms/liter calculated per SCAQMD rule 443.1.
VOC Less H2O & Exempt Solvents: 441 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: 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:

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 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: polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Provide appropriate local exhaust for grinding, cutting or sanding cured material. Use in a well-ventilated area. 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: full-face organic vapor respirator with dust/mist prefilter.

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 acids. 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*
CALCIUM CARBONATE.....	10	MG/M3	TWA	ACGIH	
TALC.....	2	MG/M3	TWA	OSHA	
		RESPIRABLE			
TALC.....	2	MG/M3	TWA	ACGIH	
		RESPIRABLE			
TALC.....	0.5	MG/M3	TWA	CMRG	
		AS RESPIRABLE DUST			
ISOPROPYL ALCOHOL.....	400	PPM	TWA	ACGIH	
ISOPROPYL ALCOHOL.....	500	PPM	STEL	ACGIH	
ISOPROPYL ALCOHOL.....	400	PPM	TWA	OSHA	
ISOPROPYL ALCOHOL.....	500	PPM	STEL	OSHA	
TOLUENE.....	50	PPM	TWA	ACGIH	Y
TOLUENE.....	100	PPM	TWA	OSHAV	
		OSHA VACATED PEL			
TOLUENE.....	150	PPM	STEL	OSHAV	
		OSHA VACATED PEL			
TOLUENE.....	200	PPM	TWA	OSHA	
TOLUENE.....	300	PPM	CEIL	OSHA	
TOLUENE.....	75	PPM	STEL	CMRG	Y
POLYURETHANE.....	NONE	NONE	NONE	NONE	
IRON OXIDE.....	NONE	NONE	NONE	NONE	
SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE.....	NONE	NONE	NONE	NONE	
MAGNESIUM CARBONATE.....	10	MG/M3	TWA	ACGIH	
MAGNESIUM CARBONATE.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
MAGNESIUM CARBONATE.....	5	MG/M3	TWA	OSHA	
		RESPIRABLE			
QUARTZ SILICA.....	0.1	MG/M3	TWA	OSHA	
		RESPIRABLE			
QUARTZ SILICA.....	0.05	MG/M3	TWA	ACGIH	
		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:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*

- 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				

B. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

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

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

INHALATION:

May be harmful if inhaled.

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

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

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system.

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

Pneumoconiosis (general): signs/symptoms can include persistent coughing and shortness of breath.

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

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8. HEALTH HAZARD DATA (continued)

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. (14808-60-7)
{NTP known human carcinogen, IARC human carcinogen 1, Calif. Pr
osition 65}

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WARNING: Contains a chemical which can cause birth defects. (108-88-
3)

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE March 28, 2001 ISSUE

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