

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
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DIVISION: AUTOMOTIVE AFTERMARKET
 TRADE NAME:
 3M(TM) Acryl-Green Spot Putty, P.N. 05960
 ID NUMBER/U.P.C. :
 60-9800-0588-2 00-51144-05960-7 60-9800-0947-0 - - -
 GC-8002-8530-3 - - -
 ISSUED: September 24, 2001
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 DOCUMENT: 10-2847-1

1. INGREDIENT	C.A.S. NO.	PERCENT
TALC.....	14807-96-6	30.0 - 60.0
TITANIUM DIOXIDE.....	13463-67-7	7.0 - 13.0
TOLUENE.....	108-88-3	7.0 - 13.0
ACRYLIC COPOLYMER.....	Unknown	7.0 - 13.0
XYLENE.....	1330-20-7	7.0 - 13.0
BUTYL BENZYL PHTHALATE.....	85-68-7	3.0 - 7.0
MAGNESIUM CARBONATE.....	546-93-0	1.0 - 5.0
ACETONE.....	67-64-1	1.0 - 5.0
ETHYLBENZENE.....	100-41-4	1.0 - 5.0
TREATED CLAY.....	71011-26-2	1.0 - 5.0
METHYL METHACRYLATE.....	80-62-6	0.1 - 1.0
BENZENE.....	71-43-2	< 0.023

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
- XYLENE
- ETHYLBENZENE
- METHYL METHACRYLATE
- BENZENE

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

2. PHYSICAL DATA

BOILING POINT:..... N/D
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... nil
SPECIFIC GRAVITY:..... 1.46 - 1.60 Water=1
PERCENT VOLATILE:..... 20 - 30 %
pH:..... N/A
VISCOSITY:..... 200000 - 400000 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
SMOOTH GREEN PASTE WITH A SOLVENT ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 63 F Setaflash
FLAMMABLE LIMITS - LEL:..... 1.00 %
FLAMMABLE LIMITS - UEL:..... 13.00 %
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
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:
Vapors may travel long distances along the ground or floor to an
ignition source and flash back.

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

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

4. REACTIVITY DATA (continued)

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.

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. 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: 349 gms/liter calculated per SCAQMD rule 443.1.
VOC Less H2O & Exempt Solvents: 368 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) D018 (Benzene)

EPCRA HAZARD CLASS:

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

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

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 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, polyethylene/ethylene vinyl alcohol.

RECOMMENDED VENTILATION:

Provide appropriate local exhaust for grinding, cutting or sanding cured material. 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. 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: Half-mask organic vapor respirator with dust/mist prefilter, full-face organic vapor respirator with dust/mist prefilter.

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 7. PRECAUTIONARY INFORMATION (continued)

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. Store out of direct sunlight. 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 container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
TALC.....	2	MG/M3	TWA	OSHA	
		RESPIRABLE			
TALC.....	2	MG/M3	TWA	ACGIH	
		RESPIRABLE			
TALC.....	0.5	MG/M3	TWA	CMRG	
		AS RESPIRABLE DUST			
TITANIUM DIOXIDE.....	10	MG/M3	TWA	ACGIH	
TITANIUM DIOXIDE.....	10	MG/M3	TWA	OSHAV	
		AS DUST			
		OSHA VACATED PEL			
TITANIUM DIOXIDE.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
TITANIUM DIOXIDE.....	5	MG/M3	TWA	CMRG	
		AS RESPIRABLE DUST			
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
ACRYLIC COPOLYMER.....	NONE	NONE	NONE	NONE	
XYLENE.....	100	PPM	TWA	ACGIH	
XYLENE.....	150	PPM	STEL	ACGIH	
XYLENE.....	100	PPM	TWA	OSHA	
XYLENE.....	150	PPM	STEL	OSHA	
BUTYL BENZYL PHTHALATE.....	NONE	NONE	NONE	NONE	
MAGNESIUM CARBONATE.....	10	MG/M3	TWA	ACGIH	
MAGNESIUM CARBONATE.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
MAGNESIUM CARBONATE.....	5	MG/M3	TWA	OSHA	
		RESPIRABLE			
ACETONE.....	500	PPM	TWA	ACGIH	
ACETONE.....	750	PPM	STEL	ACGIH	
ACETONE.....	750	PPM	TWA	OSHAV	
		OSHA VACATED PEL			
ACETONE.....	1000	PPM	STEL	OSHAV	
		OSHA VACATED PEL			
ACETONE.....	1000	PPM	TWA	OSHA	
ETHYLBENZENE.....	100	PPM	TWA	ACGIH	
ETHYLBENZENE.....	125	PPM	STEL	ACGIH	
ETHYLBENZENE.....	100	PPM	TWA	OSHA	
ETHYLBENZENE.....	125	PPM	STEL	OSHA	
TREATED CLAY.....	NONE	NONE	NONE	NONE	
METHYL METHACRYLATE.....	100	PPM	TWA	OSHA	
METHYL METHACRYLATE.....	50	PPM	TWA	ACGIH	
		SENSITIZER			
METHYL METHACRYLATE.....	100	PPM	STEL	ACGIH	
		SENSITIZER			
BENZENE.....	2.5	PPM	STEL	ACGIH	Y
BENZENE.....	0.5	PPM	TWA	ACGIH	Y
BENZENE.....	1	PPM	TWA	OSHA	
BENZENE.....	5	PPM	STEL	OSHA	
BENZENE.....	0.5	PPM	TWA	OSHA	
		OSHA ACTION LEVEL			

* 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:

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

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

8. HEALTH HAZARD DATA (continued)

SKIN CONTACT:

Moderate Skin Irritation (after prolonged or repeated contact):
signs/symptoms can include redness, swelling, itching, and dryness.

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

Prolonged or repeated exposure may cause:

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

INHALATION:

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:

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.

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

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

Liver Effects: signs/symptoms can include yellow skin(jaundice)
and tenderness of upper abdomen.

Central Neuropathy: signs/symptoms can include dizziness,
incoordination, visual changes, emotional changes, tremors and
convulsions.

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

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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.

CANCER:

WARNING: Contains a chemical which can cause cancer. (100-41-4) (IARC possible human carcinogen 2B)

WARNING: Contains a chemical which can cause cancer. (71-43-2) (NTP human carcinogen, IARC human carcinogen 1, OSHA listed carcinogen, ACGIH suspected human carcinogen A2, Calif. Proposition 65)

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

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

WARNING: Contains a chemical which can cause birth defects and male reproductive harm. (71-43-2)

WARNING: Contains a chemical which can cause male reproductive harm. (85-68-7)

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE March 12, 2001	ISSUE
SUGG. FIRST AID	SECTION CHANGED SINCE March 12, 2001	ISSUE
PRECAUTIONARY INFO.	SECTION CHANGED SINCE March 12, 2001	ISSUE
HEALTH HAZARD DATA	SECTION CHANGED SINCE March 12, 2001	ISSUE

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