

3M General Offices  
 3M Center  
 St. Paul, Minnesota 55144-1000  
 612/733-1110  
 Duns No.: 00-617-3082

02-82  
 2384

MATERIAL SAFETY  
 DATA SHEET



**DIVISION:** AUTOMOTIVE TRADES DIVISION  
**TRADE NAME:**  
 3M Brand Acryl-Green Spot Putty P/N 5960  
**3M I.D. NUMBER:** GC-8002-8530-3 60-9800-0588-2  
**ISSUED:** JULY 25, 1990  
**SUPERSEDES:** DECEMBER 12, 1989  
**DOCUMENT:** 10-2847-1

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
TALC	14807-96-6	35.0 - 45.0	2	mg/m3	TWA	ACGI
XYLENE	1330-20-7	5.0 - 15.0	100	ppm	TWA	ACGI
TITANIUM DIOXIDE	13463-67-7	5.0 - 15.0	10	mg/m3	TWA	ACGI
TOLUENE	108-88-3	5.0 - 15.0	100	ppm	TWA	ACGI
ACRYLIC RESIN	N/D	5.0 - 15.0	NONE	NONE	NONE	NONE
BUTYL BENZYL PHTHALATE	85-68-7	1.0 - 5.0	NONE	NONE	NONE	NONE
ACETONE	67-64-1	1.0 - 5.0	750	ppm	TWA	ACGI
TREATED CLAY	71011-26-2	1.0 - 5.0	NONE	NONE	NONE	NONE
METHYL METHACRYLATE	80-62-6	0.0 - 0.5	100	ppm	TWA	ACGI

**SOURCE OF EXPOSURE LIMIT DATA:**  
 - ACGIH: American Conference of Governmental Industrial Hygienists  
 - NONE: None Established

**THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:**

XYLENE  
 TOLUENE  
 BUTYL BENZYL PHTHALATE  
 ACETONE  
 METHYL METHACRYLATE

**2. PHYSICAL DATA**

BOILING POINT:..... N/D  
 VAPOR PRESSURE:..... N/D  
 VAPOR DENSITY:..... N/D  
 EVAPORATION RATE:..... N/D  
 SOLUBILITY IN WATER:..... INSOLUBLE  
 SP. GRAVITY:..... 1.460-1.550 Water = 1  
 PERCENT VOLATILE:..... 25-30  
 VOLATILE ORGANICS:..... 439.46 gm/l  
   G VOC/(L-VW-VES) 439.46  
 pH:..... N/D  
 VISCOSITY:..... 150K-300K CPS  
 APPEARANCE AND ODOR: SMOOTH GREEN PASTE WITH A SOLVENT ODOR

**3. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:..... 63.00 F  
 FLAMMABLE LIMITS - LEL:..... 1.00 %  
 FLAMMABLE LIMITS - UEL:..... 13.00 %  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CARBON DIOXIDE, FOAM, DRY CHEMICAL.  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 FIGHT AS VOLATILE LIQUID FIRE.

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

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**3. FIRE AND EXPLOSION HAZARD DATA (continued)**

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**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
KEEP AWAY FROM HEAT, SPARKS, AND FLAME.  
**NFPA-HAZARD-CODES:** HEALTH 2 FIRE 3 REACTIVITY 0  
**UNUSUAL REACTION HAZARD:** None

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**4. REACTIVITY DATA**

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**STABILITY:** Stable  
**INCOMPATIBILITY - MATERIALS TO AVOID:**  
NONE  
**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
CARBON MONOXIDE, CARBON DIOXIDE, AND ACRYLIC MONOMER FUMES.

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**  
OBSERVE PRECAUTIONS FROM OTHER SECTIONS. EXTINGUISH ALL IGNITION SOURCES. VENTILATE AREA. COLLECT SPILLED MATERIAL, PLACE IN U.S. DOT APPROVED METAL CONTAINER AND SEAL.

**RECOMMENDED DISPOSAL:**  
INCINERATE WASTE/BULK PRODUCT IN A HAZARDOUS WASTE FACILITY. CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. U.S. EPA HAZARD WASTE NUMBER: D001 (IGNITABLE).

**ENVIRONMENTAL DATA:**  
N/D

**SARA HAZARD CLASS:**  
FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**  
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST TEN MINUTES. CALL A PHYSICIAN.

**SKIN CONTACT:**  
WASH WITH SOAP AND WATER.

**INHALATION:**  
REMOVE INDIVIDUAL TO FRESH AIR. CALL A PHYSICIAN.

**IF SWALLOWED:**  
DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

**OTHER FIRST AID:**  
NONE

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**7. PRECAUTIONARY INFORMATION**

KEEP AWAY FROM HEAT, SPARKS, AND FLAME. USE ONLY IN AREAS WITH SUFFICIENT VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS. AVOID EYE CONTACT. AVOID PROLONGED BREATHING OF VAPORS AND PROLONGED OR REPEATED SKIN CONTACT. WASH HANDS THOROUGHLY AFTER USING. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

GLOVES ARE RECOMMENDED WHEN REPEATED OR PROLONGED SKIN CONTACT IS EXPECTED. DUST MASKS SHOULD BE WORN WHEN POWER GRINDING ON DRIED PUTTY. USE GOOD PERSONAL HYGIENE TO PREVENT ACCIDENTAL OVEREXPOSURE.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS		AUTH	
	VALUE	UNIT	TYPE	AUTH
TALC	2	mg/m <sup>3</sup>	TWA	OSHA
XYLENE	434	mg/m <sup>3</sup>	TWA	ACGIH
XYLENE	150	ppm	STEL	ACGIH
XYLENE	651	mg/m <sup>3</sup>	STEL	ACGIH
XYLENE	100	ppm	TWA	OSHA
XYLENE	435	mg/m <sup>3</sup>	TWA	OSHA
XYLENE	150	ppm	STEL	OSHA
XYLENE	655	mg/m <sup>3</sup>	STEL	OSHA
TITANIUM DIOXIDE	10	mg/m <sup>3</sup>	TWA	OSHA
TOLUENE	377	mg/m <sup>3</sup>	TWA	ACGIH
TOLUENE	150	ppm	STEL	ACGIH
TOLUENE	565	mg/m <sup>3</sup>	STEL	ACGIH
TOLUENE	100	ppm	TWA	OSHA
TOLUENE	375	mg/m <sup>3</sup>	TWA	OSHA
TOLUENE	150	ppm	STEL	OSHA
TOLUENE	560	mg/m <sup>3</sup>	STEL	OSHA
ACETONE	1780	mg/m <sup>3</sup>	TWA	ACGIH
ACETONE	1000	ppm	STEL	ACGIH
ACETONE	2375	mg/m <sup>3</sup>	STEL	ACGIH
ACETONE	750	ppm	TWA	OSHA
ACETONE	1800	mg/m <sup>3</sup>	TWA	OSHA
ACETONE	1000	ppm	STEL	OSHA
ACETONE	2400	mg/m <sup>3</sup>	STEL	OSHA
METHYL METHACRYLATE	410	mg/m <sup>3</sup>	TWA	ACGIH
METHYL METHACRYLATE	100	ppm	TWA	OSHA
METHYL METHACRYLATE	410	mg/m <sup>3</sup>	TWA	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

**8. HEALTH HAZARD DATA**

EYE CONTACT: MAY CAUSE EYE IRRITATION.

SKIN CONTACT: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

INHALATION: ACUTE (SINGLE) EXPOSURE: OVEREXPOSURE TO HIGH SOLVENT

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**8. HEALTH HAZARD DATA (continued)**

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VAPOR CONCENTRATIONS ABOVE ACCEPTABLE LEVELS FROM THIS PASTE MAY LEAD TO TEMPORARY NERVOUS SYSTEM IMPAIRMENT. EFFECTS FROM OVEREXPOSURE ARE ONE OR MORE OF THE FOLLOWING: HEADACHE, FATIGUE, DROWSINESS, IRRITABILITY, DIZZINESS. OVEREXPOSURE TO HIGHLY CONCENTRATED SOLVENT VAPORS IN CONFINED SPACES MAY LEAD TO UNCONSCIOUSNESS AND DEATH. OVEREXPOSURE TO HIGH DUST CONCENTRATIONS, WHEN GRINDING ON DRY PRODUCT, MAY CAUSE RESPIRATORY SYSTEM IRRITATION. EFFECTS FROM OVEREXPOSURE TO CONCENTRATIONS OF DUST MAY RESULT IN COUGHING, SNEEZING, NOSE AND THROAT IRRITATION.

CHRONIC (LONG-TERM) REPEATED EXPOSURE: OVEREXPOSURE TO HIGH SOLVENT VAPOR CONCENTRATIONS ABOVE ACCEPTABLE LEVELS FOR LONG PERIODS OF TIME MAY CAUSE HEART, LIVER, KIDNEY AND BLOOD CHANGES (BASED ON ANIMAL STUDIES). NOTE: CHRONIC EXTREME OVEREXPOSURE TO TOLUENE VAPORS MAY CAUSE NERVOUS SYSTEM AND LIVER DAMAGE. OVEREXPOSURE TO HIGH DUST CONCENTRATIONS ABOVE ACCEPTABLE LEVELS FOR LONG PERIODS OF TIME MAY CAUSE LUNG FUNCTION CHANGES.

INGESTION: SOLVENT ASPIRATION INTO THE LUNGS MAY CAUSE LUNG DAMAGE OR DEATH. EFFECTS UPON INGESTION MAY INCLUDE: DIGESTIVE SYSTEM IRRITATION, NAUSEA, VOMITING, NERVOUS SYSTEM IMPAIRMENT.

NOTE: THERE IS LESS THAN 1% CRYSTALLINE SILICA BOUND IN THIS PUTTY. NO ADVERSE HEALTH EFFECTS ARE EXPECTED FROM THIS LOW LEVEL OF CRYSTALLINE SILICA.

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**SECTION CHANGE DATES**

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PHYSICAL DATA      SECTION CHANGED SINCE    DECEMBER 12, 1989 ISSUE

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.