

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

02-82  
 2380

MATERIAL SAFETY  
 DATA SHEET



**DIVISION:** AUTOMOTIVE TRADES DIVISION  
**TRADE NAME:**  
 3M Brand Acryl-Red Putty P/N 5966  
**3M I.D. NUMBER:** GC-8002-8531-1 60-9800-0587-4  
**ISSUED:** JULY 27, 1990  
**SUPERSEDES:** DECEMBER 12, 1989  
**DOCUMENT:** 10-2851-3

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE LIMITS	
			VALUE UNIT	TYPE AUTH
TALC	14807-96-6	50.0 - 60.0	2 mg/m3	TWA ACGI
TOLUENE	108-88-3	10.0 - 20.0	100 ppm	TWA ACGI
N-BUTYL ACETATE	123-86-4	5.0 - 15.0	150 ppm	TWA ACGI
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	1.0 - 10.0	5 mg/m3	TWA ACGI
NITROCELLULOSE	9004-70-0	1.0 - 10.0	NONE NONE	NONE NONE
IRON OXIDE (Fe2O3)	1309-37-1	1.0 - 5.0	5 mg/m3 Fe	TWA ACGI
ROSIN ESTER	68038-41-5	1.0 - 5.0	NONE NONE	NONE NONE
ISOPROPYL ALCOHOL	67-63-0	1.0 - 5.0	400 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:**

TOLUENE  
 BIS(2-ETHYLHEXYL) PHTHALATE

**2. PHYSICAL DATA**

BOILING POINT:..... N/D  
 VAPOR PRESSURE:..... N/D  
 VAPOR DENSITY:..... 4.00 Air = 1  
 EVAPORATION RATE:..... N/D  
 SOLUBILITY IN WATER:..... INSOLUBLE  
 SP. GRAVITY:..... 1.510-1.560 Water = 1  
 PERCENT VOLATILE:..... 28.00-30.00 %  
 VOLATILE ORGANICS:..... 454.05 gm/l  
   G VOC/(L-VW-VES) 454.05  
 pH:..... N/A  
 VISCOSITY:..... 90K-170K CPS  
 APPEARANCE AND ODOR: RED PASTE WITH SOLVENT ODOR

**3. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:..... 48 F SETAFLASH  
 FLAMMABLE LIMITS - LEL:..... 1.27 %  
 FLAMMABLE LIMITS - UEL:..... 7.00 %  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
   CARBON DIOXIDE, FOAM OR DRY CHEMICAL.  
 SPECIAL FIRE FIGHTING PROCEDURES:  
   FIGHT AS VOLATILE LIQUID FIRE.  
 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

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

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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 DIOXIDE, CARBON MONOXIDE

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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

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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. DO NOT INGEST. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

GLOVES ARE RECOMMENDED WHEN REPEATED OR PROLONGED SKIN CONTACT IS

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**7. PRECAUTIONARY INFORMATION (continued)**

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		LIMITS	
	VALUE	UNIT	TYPE	AUTH
TALC	2	mg/m3	TWA	OSHA
TOLUENE	377	mg/m3	TWA	ACGIH
TOLUENE	150	ppm	STEL	ACGIH
TOLUENE	565	mg/m3	STEL	ACGIH
TOLUENE	100	ppm	TWA	OSHA
TOLUENE	375	mg/m3	TWA	OSHA
TOLUENE	150	ppm	STEL	OSHA
TOLUENE	560	mg/m3	STEL	OSHA
N-BUTYL ACETATE	150	ppm	TWA	OSHA
N-BUTYL ACETATE	710	mg/m3	TWA	OSHA
N-BUTYL ACETATE	200	ppm	STEL	OSHA
N-BUTYL ACETATE	950	mg/m3	STEL	OSHA
N-BUTYL ACETATE	713	mg/m3	TWA	ACGIH
N-BUTYL ACETATE	200	ppm	STEL	ACGIH
N-BUTYL ACETATE	950	mg/m3	STEL	ACGIH
BIS(2-ETHYLHEXYL) PHTHALATE	10	mg/m3	STEL	ACGIH
BIS(2-ETHYLHEXYL) PHTHALATE	5	mg/m3	TWA	OSHA
BIS(2-ETHYLHEXYL) PHTHALATE	10	mg/m3	STEL	OSHA
IRON OXIDE (Fe2O3)	10	mg/m3	TWA	OSHA
ISOPROPYL ALCOHOL	985	mg/m3	TWA	ACGIH
ISOPROPYL ALCOHOL	500	ppm	STEL	ACGIH
ISOPROPYL ALCOHOL	1230	mg/m3	STEL	ACGIH
ISOPROPYL ALCOHOL	400	ppm	TWA	OSHA
ISOPROPYL ALCOHOL	980	mg/m3	TWA	OSHA
ISOPROPYL ALCOHOL	500	ppm	STEL	OSHA
ISOPROPYL ALCOHOL	1225	mg/m3	STEL	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: LIQUID AND VAPOR MAY CAUSE EYE IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, TEARING, AND BLURRED VISION.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION. SYMPTOMS MAY INCLUDE DRYNESS AND CRACKING.

INHALATION: MAY CAUSE RESPIRATORY SYSTEM IRRITATION AND TEMPORARY NERVOUS SYSTEM IMPAIRMENT (LIGHTEADEDNESS). CHRONIC EXPOSURE MAY CAUSE NERVOUS SYSTEM DAMAGE AND BLOOD CHANGES. SYMPTOMS MAY INCLUDE DIZZINESS, NAUSEA, HEADACHE, VOMITING, INCOORDINATION, CONFUSION, DROWSINESS, WEAKNESS, HALLUCINATION, UNCONSCIOUSNESS, GIDDINESS AND DECREASED REACTION TIME.

INGESTION: ASPIRATION INTO THE LUNGS MAY CAUSE LUNG DAMAGE. MAY

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

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CAUSE DIGESTIVE SYSTEM IRRITATION. SYMPTOMS MAY INCLUDE NAUSEA, VOMITING, NERVOUS SYSTEM IMPAIRMENT, DIARRHEA, INCOORDINATION, HEADACHE, DROWSINESS, COMA, AND DEATH.

NOTE: BIS(2-ETHYLHEXYL) PHTHALATE HAS BEEN SHOWN TO CAUSE AN INCREASED INCIDENCE OF CANCER IN LABORATORY ANIMALS THAT RECEIVED THE SUBSTANCE BY ORAL ADMINISTRATION. THE STUDY WAS CONDUCTED BY THE NATIONAL TOXICOLOGY PROGRAM, NTP.

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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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.