

MATERIAL SAFETY 3M  
 DATA SHEET 3M Center  
 St. Paul, Minnesota  
 55144-1000  
 1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: AUTOMOTIVE AFTERMARKET  
 TRADE NAME:  
 3M(TM) Acryl-Red Putty, P.N. 05966  
 ID NUMBER/U.P.C.:  
 60-9800-0587-4 00-51144-05966-9 GC-8002-8531-1 - - -  
 ISSUED: November 28, 2001  
 SUPERSEDES: April 16, 2001  
 DOCUMENT: 10-2851-3

| 1. INGREDIENT                            | C.A.S. NO. | PERCENT     |
|--|------------|-------------|
| TALC.....                                | 14807-96-6 | 30.0 - 60.0 |
| TOLUENE.....                             | 108-88-3   | 10.0 - 20.0 |
| N-BUTYL ACETATE.....                     | 123-86-4   | 7.0 - 13.0  |
| BIS(2-ETHYLHEXYL)PHTHALATE.....          | 117-81-7   | 5.0 - 10.0  |
| NITROCELLULOSE.....                      | 9004-70-0  | 5.0 - 10.0  |
| MAGNESIUM CARBONATE.....                 | 546-93-0   | 1.0 - 5.0   |
| ISOPROPYL ALCOHOL.....                   | 67-63-0    | 1.0 - 5.0   |
| IRON OXIDE.....                          | 1332-37-2  | 1.0 - 5.0   |
| ROSIN, MALEATED, ESTERS WITH GLYCEROL... | 68038-41-5 | 1.0 - 5.0   |

The components of this product are in compliance with the chemical  
 notification requirements of TSCA.

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  
 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  
 SPECIFIC GRAVITY:..... 1.510 - 1.560 Water=1

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

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2. PHYSICAL DATA (continued)  
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PERCENT VOLATILE:..... 28.00 - 30.00 %  
pH:..... N/A  
VISCOSITY:..... 90K-170K CPS  
MELTING POINT:..... N/D

APPEARANCE AND ODOR:  
RED PASTE WITH SOLVENT ODOR

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... 48 F SETAFLASH  
FLAMMABLE LIMITS - LEL:..... 1.27 %  
FLAMMABLE LIMITS - UEL:..... 7.00 %  
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.

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/CONDITIONS TO AVOID:  
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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4. REACTIVITY DATA (continued)  
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HAZARDOUS DECOMPOSITION PRODUCTS:

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

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5. ENVIRONMENTAL INFORMATION  
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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: 3.78 lb/gal calculated per SCAQMD rule 443.1.  
Volatile Organic Compounds: 454 gms/liter calculated per SCAQMD rule 443.1.  
VOC Less H2O & Exempt Solvents: 454 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  
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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.

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7. PRECAUTIONARY INFORMATION  
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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.

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.

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.

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 7. PRECAUTIONARY INFORMATION (continued)  
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RECOMMENDED STORAGE:

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 |      |       |       |
| 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     |
| 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 |       |
| BIS(2-ETHYLHEXYL) PHTHALATE.....              | 5     | MG/M3              | TWA  | 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  |       |
| NITROCELLULOSE.....                           | 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         |      |       |       |
| ISOPROPYL ALCOHOL.....                        | 400   | PPM                | TWA  | ACGIH |       |
| ISOPROPYL ALCOHOL.....                        | 500   | PPM                | STEL | ACGIH |       |
| ISOPROPYL ALCOHOL.....                        | 400   | PPM                | TWA  | OSHA  |       |
| ISOPROPYL ALCOHOL.....                        | 500   | PPM                | STEL | OSHA  |       |
| IRON OXIDE.....                               | NONE  | NONE               | NONE | NONE  |       |
| ROSIN, MALEATED, ESTERS WITH<br>GLYCEROL..... | NONE  | NONE               | NONE | NONE  |       |

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to

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EXPOSURE LIMITS (continued)

| INGREDIENT | VALUE | UNIT | TYPE | AUTH | SKIN* |
|------------|-------|------|------|------|-------|
|------------|-------|------|------|------|-------|

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.

SKIN CONTACT:

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

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

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

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8. HEALTH HAZARD DATA (continued)  
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cause:

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

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. (117-81-7) (NTP anticipated human carcinogen, Calif. Proposition 65)

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

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

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SECTION CHANGE DATES  
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PRECAUTIONARY INFO. SECTION CHANGED SINCE April 16, 2001 ISSUE

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