

MATERIAL SAFETY
DATA SHEET

3M
3M Center
St. Paul, Minnesota
55144-1000
1-800-364-3577 or (612) 737-6501 (24 hours)

DIVISION: AUTOMOTIVE TRADES DIVISION
TRADE NAME:
3M Brand Acryl-Blue Glazing Putty P/N 5964
3M ID NUMBER/U.P.C.:
60-9800-0597-3 00-51144-05964-5
ISSUED: February 09, 1995
SUPERSEDES: August 12, 1992
DOCUMENT: 10-2850-5

1. INGREDIENT	C.A.S. NO.	PERCENT	
TALC.....	14807-96-6	35.0	- 45.0
TITANIUM DIOXIDE.....	13463-67-7	10.0	- 15.0
TOLUENE.....	108-88-3	5.0	- 10.0
N-BUTYL ACETATE.....	123-86-4	5.0	- 10.0
XYLENE.....	1330-20-7	5.0	- 10.0
ETHYL ACRYLATE-METHYL METHACRYLATE POLYMER.....	9010-88-2	5.0	- 10.0
CELLULOSE ACETATE BUTYRATE.....	9004-36-8	5.0	- 10.0
BUTYL BENZYL PHTHALATE.....	85-68-7	1.0	- 5.0
ISOPROPYL ALCOHOL.....	67-63-0	1.0	- 5.0

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
- BUTYL BENZYL PHTHALATE

2. PHYSICAL DATA

BOILING POINT:..... 180 F
Isopropyl Alcohol
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... 4.00 Air=1
EVAPORATION RATE:..... TOLUENE 1.9
SOLUBILITY IN WATER:..... INSOLUBLE
SPECIFIC GRAVITY:..... 1.480 - 1.530 Water=1
PERCENT VOLATILE:..... 26-29
VOLATILE ORGANIC COMPOUNDS:.... 424.41 gms/liter SCAQMD
Rule 443.1, calculated
VOC LESS H2O & EXEMPT SOLVENTS: 424.41 gms/liter SCAQMD
Rule 443.1, calculated
pH:..... N/D
VISCOSITY:..... 100K-200K CPS
MELTING POINT:..... N/D

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

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2. PHYSICAL DATA (continued)

APPEARANCE AND ODOR:

paste, viscous blue, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 63 F SETAFLASH
FLAMMABLE LIMITS - LEL:..... 1.00 %
FLAMMABLE LIMITS - UEL:..... 15.00 %
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

4. REACTIVITY DATA

STABILITY: Stable

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.

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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. In the U.S.A., call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Extinguish all ignition sources. Collect spilled material. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material.

Dispose of the dried solids in a sanitary landfill.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

EPCRA HAZARD CLASS:

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

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:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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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: half-mask dust respirator.

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:

Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Flammable liquid and vapor. 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	
			as respirable dust		
TALC.....	2	MG/M3	TWA	ACGIH	
			as respirable dust		
TITANIUM DIOXIDE.....	10	MG/M3	TWA	ACGIH	
TITANIUM DIOXIDE.....	10	MG/M3	TWA	OSHA	
TOLUENE.....	50	PPM	TWA	ACGIH	Y
TOLUENE.....	100	PPM	TWA	OSHA	
TOLUENE.....	150	PPM	STEL	OSHA	
N-BUTYL ACETATE.....	150	PPM	TWA	OSHA	
N-BUTYL ACETATE.....	200	PPM	STEL	OSHA	
N-BUTYL ACETATE.....	150	PPM	TWA	ACGIH	

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
N-BUTYL ACETATE.....	200	PPM	STEL	ACGIH	
XYLENE.....	100	PPM	TWA	ACGIH	
XYLENE.....	150	PPM	STEL	ACGIH	
XYLENE.....	100	PPM	TWA	OSHA	
XYLENE.....	150	PPM	STEL	OSHA	
ETHYL ACRYLATE-METHYL METHACRYLATE POLYMER.....	NONE	NONE	NONE	NONE	
CELLULOSE ACETATE BUTYRATE.....	NONE	NONE	NONE	NONE	
BUTYL BENZYL PHTHALATE.....	NONE	NONE	NONE	NONE	
ISOPROPYL ALCOHOL.....	400	PPM	TWA	ACGIH	
ISOPROPYL ALCOHOL.....	500	PPM	STEL	ACGIH	
ISOPROPYL ALCOHOL.....	400	PPM	TWA	OSHA	
ISOPROPYL ALCOHOL.....	500	PPM	STEL	OSHA	

* 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
- OSHA: Occupational Safety and Health Administration
- 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.

INHALATION:

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.

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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.

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.

Ingestion may cause:

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.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

TOLUENE (108-88-3): the State of California has determined that overexposure to toluene during pregnancy may cause birth defects.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE August 12, 1992	ISSUE
PRECAUTIONARY INFO.	SECTION CHANGED SINCE August 12, 1992	ISSUE

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