

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
 St. Paul, Minnesota
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DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION
 TRADE NAME:

SCOTCH BRAND SANDBLAST FILLER NO. 2
 ID NUMBER/U.P.C.:
 70-0708-7710-8 00-21200-43235-4 70-9020-1043-1 00-21200-10959-1
 70-9020-1044-9 00-21200-10960-7
 ISSUED: November 28, 2001
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1. INGREDIENT	C.A.S. NO.	PERCENT	
HEPTANE.....	142-82-5	30	- 40
METHYLHEXANES.....	TradeSecret	15	- 20
RUBBER.....	9003-31-0	5	- 10
ZINC OXIDE.....	1314-13-2	5	- 10
METHYLCYCLOHEXANE.....	108-87-2	5	- 10
DIMETHYLPENTANES.....	TradeSecret	5	- 10
ROSIN.....	8050-09-7	3	- 7
TOLUENE.....	108-88-3	1.0	- 5.0
ETHYL ALCOHOL.....	64-17-5		< 0.4
2,5-DI-TERT-AMYLHYDROQUINONE.....	79-74-3		< 0.2

ZINC OXIDE - EXPOSURE LIMITS - AS DUST

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:
 ZINC OXIDE
 TOLUENE

2. PHYSICAL DATA

BOILING POINT:..... ca. 200 F
 (HEPTANE)
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... ca. 3.5 Air=1
 (HEPTANE)

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

2. PHYSICAL DATA (continued)

EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... slight
SPECIFIC GRAVITY:..... 0.732 Water=1 ASTM
PERCENT VOLATILE:..... 78.2 % ASTM
pH:..... N/A
VISCOSITY:..... ca. 2000 centipoise Brookfield
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Paste, off-white, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... < 70 F COC
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
Water spray, 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. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. For leaks or spills which have not ignited, water spray can be used to disperse the flammable vapor and protect personnel attempting to stop the leak.

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: 1 FIRE: 3 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

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, Hydrocarbons, Oxides of Zinc.

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. Evacuate unprotected personnel from hazard area. 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: 573 gms/liter ASTM METHOD.
VOC Less H2O & Exempt Solvents: 573 gms/liter.

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

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6. SUGGESTED FIRST AID (continued)

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.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear unvented goggles during operations in which exposure is likely. 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, fluoroelastomer (Viton). Use one or more of the following personal protection items as necessary to prevent skin contact: apron. Protective garments (other than gloves) should be made of either of the following materials: nitrile rubber, fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Use with appropriate local exhaust ventilation. 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. 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, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

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 7. PRECAUTIONARY INFORMATION (continued)

RECOMMENDED STORAGE:

Store away from heat. Keep container closed when not in use. Keep container in well-ventilated area.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material.

OTHER PRECAUTIONARY INFORMATION:

For industrial or professional use only.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
HEPTANE.....	400	PPM	TWA	ACGIH	
HEPTANE.....	500	PPM	STEL	ACGIH	
HEPTANE.....	400	PPM	TWA	OSHAV	
		OSHA VACATED PEL			
HEPTANE.....	500	PPM	STEL	OSHAV	
		OSHA VACATED PEL			
HEPTANE.....	500	PPM	TWA	OSHA	
METHYLHEXANES.....	NONE	NONE	NONE	NONE	
RUBBER.....	NONE	NONE	NONE	NONE	
ZINC OXIDE.....	10	MG/M3	TWA	ACGIH	
		AS DUST			
ZINC OXIDE.....	10	MG/M3	TWA	OSHAV	
		AS DUST			
		OSHA VACATED PEL			
ZINC OXIDE.....	5	MG/M3	TWA	ACGIH	
		as fume			
ZINC OXIDE.....	10	MG/M3	STEL	ACGIH	
		as fume			
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
		as fume			
ZINC OXIDE.....	10	MG/M3	STEL	OSHAV	
		as fume			
		OSHA VACATED PEL			
ZINC OXIDE.....	15	MG/M3	TWA	OSHA	
		AS TOTAL DUST			
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
		RESPIRABLE			
METHYLCYCLOHEXANE.....	400	PPM	TWA	ACGIH	
METHYLCYCLOHEXANE.....	400	PPM	TWA	OSHAV	
		OSHA VACATED PEL			
METHYLCYCLOHEXANE.....	500	PPM	TWA	OSHA	
DIMETHYLPENTANES.....	NONE	NONE	NONE	NONE	

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ROSIN.....	NONE	NONE	NONE	NONE	
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
ETHYL ALCOHOL.....	1000	PPM	TWA	ACGIH	
ETHYL ALCOHOL.....	1000	PPM	TWA	OSHA	
2,5-DI-TERT-AMYLHYDROQUINONE.....	NONE	NONE	NONE	NONE	

* 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:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and produce effects similar 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.

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8. HEALTH HAZARD DATA (continued)

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

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.

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.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

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

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE October 24, 2000 ISSUE

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