

Duns No.: 00-617-3082

MATERIAL SAFETY  
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS  
 TRADE NAME:  
 3M Part No. 8505 Fast 'N' Firm Sealer  
 3M I.D. NUMBER: 62-5587-5219-2

ISSUED: DECEMBER 30, 1989  
 SUPERSEDES: APRIL 12, 1989  
 DOCUMENT: 10-8278-3

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUT
calcium carbonate	471-34-1	20.0 - 30.0	10	mg/m3	TWA	ACC
talc	14807-96-6	10.0 - 20.0	2	mg/m3	TWA	ACC
petroleum distillate	64742-94-5	10.0 - 20.0	100	ppm	TWA	CMF
vinyl chloride/acrylic copolymer resin	68797-32-0	10.0 - 20.0	NONE	NONE	NONE	NON
alkyd resin dispersion - Vendor Trade Secret (V.T.S.)	V.T.S.	1.0 - 10.0	NONE	NONE	NONE	NON
soybean oil	8001-22-7	1.0 - 10.0	NONE	NONE	NONE	NON
bis(2-ethylhexyl)phthalate	117-81-7	1.0 - 10.0	5	mg/m3	TWA	ACC
barium sulfate	7727-43-7	1.0 - 10.0	10	mg/m3	TWA	ACC
methyl ethyl ketone	78-93-3	1.0 - 10.0	200	ppm	TWA	ACC
rheological agent - Vendor Trade Secret (V.T.S.)	V.T.S.	1.0 - 10.0	NONE	NONE	NONE	NON

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacture Recommended Guidelines
- 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:

- bis(2-ethylhexyl)phthalate
- barium sulfate
- methyl ethyl ketone

2. PHYSICAL DATA

BOILING POINT:	175.00 F
VAPOR PRESSURE:	80.0000 mmHg @ 68F
VAPOR DENSITY:	2.50 Air = 1
EVAPORATION RATE:	2.70 Ether = 1
SOLUBILITY IN WATER:	Very slight
SP. GRAVITY:	1.520 Water = 1
PERCENT VOLATILE:	17.00 %
VOLATILE ORGANICS:	315.00 gm/l
pH:	N/A
VISCOSITY:	Non-sag paste
APPEARANCE AND ODOR:	Tan, heavy syrup -- solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	75.00 F
FLAMMABLE LIMITS - LEL:	1.80 %
FLAMMABLE LIMITS - UEL:	11.50 %
AUTOIGNITION TEMPERATURE:	N/D

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

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**EXTINGUISHING MEDIA:**

CO2, foam, dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES:**

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Flammable. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.

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:**

CO, CO2 and smoke particles when subjected to excessive heat or flame.

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### 5. ENVIRONMENTAL INFORMATION

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**SPILL RESPONSE:**

Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect the spilled material using non-sparking tools. Place in a U.S. Department of Transportation - approved metal container, and seal.

**RECOMMENDED DISPOSAL:**

Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

**ENVIRONMENTAL DATA:**

Volatile Organic Compound (VOC):

Maximum VOC = 315 grams/liter.

Maximum VOC minus Water minus Exempt Solvents = 315 grams/liter.

VOC's were calculated according to Rule 443.1 of the South Coast

Air Quality Management District (SCAQMD).

**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:**

Flush eyes with large amounts of water for at least 10 minutes. Call a physician.

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**6. SUGGESTED FIRST AID (continued)**

**SKIN CONTACT:**

Wash thoroughly with soap and water. If irritation persists, call a physician.

**INHALATION:**

Remove person to fresh air. If breathing difficulties persist, call a physician.

**IF SWALLOWED:**

Do not induce vomiting. Immediately call a physician or poison control center.

**OTHER FIRST AID:**

NONE

**7. PRECAUTIONARY INFORMATION**

Keep product and its vapor away from heat, sparks, flame and other sources of ignition. The vapors released by the product can be ignited. Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor buildup. Avoid prolonged breathing of vapors. If vapors are not controlled, wear an approved respirator equipped with organic vapor cartridges. Avoid eye contact; wear chemical goggles or safety glasses. Avoid prolonged contact with skin; wear impervious gloves. Keep tightly capped when not in use. Keep out of the reach of children.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE		LIMITS	
	VALUE	UNIT	TYPE	AUTH
talc	2	mg/m3	TWA	OSHA
petroleum distillate	563	mg/m3	TWA	CMRG
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
barium sulfate	10	mg/m3	TWA	OSHA
methyl ethyl ketone	590	mg/m3	TWA	ACGIH
methyl ethyl ketone	300	ppm	STEL	ACGIH
methyl ethyl ketone	885	mg/m3	STEL	ACGIH
methyl ethyl ketone	200	ppm	TWA	OSHA
methyl ethyl ketone	590	mg/m3	TWA	OSHA
methyl ethyl ketone	300	ppm	STEL	OSHA
methyl ethyl ketone	885	mg/m3	STEL	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines

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

3M General Offices  
3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

04-87  
6304

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### 8. HEALTH HAZARD DATA

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EYE CONTACT: May cause eye irritation.

SKIN CONTACT: May cause skin irritation on prolonged or repeated contact.

INHALATION: Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Prolonged or extreme overexposure to vapors may cause heart, liver, kidney and blood changes. Symptoms of overexposure may include dizziness, weakness, fatigue, headache, nausea, incoordination, and in the extreme -- coma and death. These effects are not expected under the conditions of product intended use.

INGESTION: May cause digestive system irritation with nausea and vomiting, and nervous system impairment. Solvent aspiration into the lungs may cause lung damage and, in the extreme, death. These effects are not expected under the conditions of product intended use.

NOTE: bis(-2-ethylhexyl) phthalate has been shown to be a potential cancer hazard based on animal studies. Repeated ingestion causes testicular atrophy and liver changes in laboratory animals. Exceedingly high doses produce birth defects in mice. However, because of definite metabolic differences between rodents and humans, the carcinogenic risk to humans is low or non-existent.

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### SECTION CHANGE DATES

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ENVIRON. DATA      SECTION CHANGED SINCE      APRIL 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.