

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

03-58
 3319

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES
 TRADE NAME:
 3M Heavy Drip-Chek Sealer PART NO. 08531
 3M I.D. NUMBER: 62-2153-2609-1

ISSUED: APRIL 12, 1990
 SUPERSEDES: AUGUST 14, 1989
 DOCUMENT: 10-5259-6

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS TYPE AUTH
toluene	108-88-3	40.0 - 50.0	100 ppm	TWA ACGIH
acrylonitrile-butadiene polymer	9003-18-3	10.0 - 20.0	NONE NONE	NONE NONE
magnesium resinate	68611-24-5	10.0 - 20.0	NONE NONE	NONE NONE
n-amyl acetate	628-63-7	10.0 - 20.0	100 ppm	TWA ACGIH
amorphous silica	7631-86-9	1.0 - 10.0	3 mg/m3	TWA ACGIH
salicylic acid	69-72-7	1.0 - 10.0	NONE NONE	NONE NONE
zinc oxide	1314-13-2	1.0 - 10.0	10 mg/m3	TWA ACGIH
titanium dioxide	13463-67-7	1.0 - 10.0	10 mg/m3	TWA ACGIH

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
 zinc oxide

2. PHYSICAL DATA

BOILING POINT:..... 232.00 F
 (toluene)
 VAPOR PRESSURE:..... 25.1900 mmHg
 @ 68F
 VAPOR DENSITY: 4.00 Air = 1
 EVAPORATION RATE:..... 6.00 Ether = 1
 SOLUBILITY IN WATER: Very slight
 SP. GRAVITY:..... 0.970 Water = 1
 PERCENT VOLATILE: 52.00 %
 VOLATILE ORGANICS: 587.00 gm/l
 pH: N/A
 VISCOSITY: ca. 100000.0 CPS
 APPEARANCE AND ODOR: Heavy syrup, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 40.00 F T.C.C.
 FLAMMABLE LIMITS - LEL: 1.00 %
 FLAMMABLE LIMITS - UEL: 7.00 %
 AUTOIGNITION TEMPERATURE: ... N/D
 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

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

explode due to pressure buildup.
NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
N/A
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 and smoke particles when subjected to excessive heat or
flame.

5. ENVIRONMENTAL INFORMATION

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 Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 587 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 587 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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Wash with soap and water.

INHALATION:

Remove individual to uncontaminated air. If breathing is difficult, provide oxygen. Call a physician.

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6. SUGGESTED FIRST AID (continued)

IF SWALLOWED:

Do not induce vomiting. Give two glasses of milk or water to drink.
Call a physician. Do not give liquids to an unconscious person.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flame and other sources of ignition. The vapors released by this product can be ignited easily. Use only in areas with sufficient ventilation to maintain vapor concentrations below recommended exposure limits. Avoid eye and skin contact. Avoid prolonged breathing of vapors. Wear protective equipment when handling this product, i.e. impervious gloves and safety glasses. Keep tightly capped when not in use. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
toluene	375	mg/m3	TWA	ACGIH
toluene	150	ppm	STEL	ACGIH
toluene	560	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-amyl acetate	530	mg/m3	TWA	ACGIH
n-amyl acetate	100	ppm	TWA	OSHA
n-amyl acetate	525	mg/m3	TWA	OSHA
amorphous silica	6	mg/m3	TWA	ACGIH
zinc oxide	10	mg/m3	TWA	OSHA
titanium dioxide	10	mg/m3	TWA	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.

SKIN CONTACT: May cause skin irritation on prolonged or repeated contact. Symptoms include dryness and cracking, leading to dermatitis.

INHALATION: Vapor overexposure may cause respiratory system irritation, liver and blood changes. Symptoms of exposure include dizziness, giddiness, decreased reaction time, weakness, fatigue and

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8. HEALTH HAZARD DATA (continued)

anemia. Deliberate concentration and inhalation may be harmful or fatal. Repeated or extreme overexposure to toluene vapors may cause nervous system damage.

INGESTION: May cause digestive system irritation. Symptoms may include nausea, vomiting, diarrhea and temporary light-headedness.

NOTE: Titanium dioxide is a potential cancer hazard based on animal studies at extremely high, repeated exposures. These effects are not expected under the conditions of product intended use.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	AUGUST 14, 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.