

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

Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: 3M Heavy Drip-Chek Sealer Part No. 08531
3M I.D. NUMBER: 62-2153-2609-1
ISSUED: SEPTEMBER 3, 1987
SUPERSEDES: JUNE 30, 1987
DOCUMENT: 10-5259-6

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
synthetic elastomer	N/A		N/D 5
phenolic resin	N/A		N/D 5
fillers and pigment	N/A		N/D 5
TOTAL OF THE ABOVE	N/A	32.0	N/D 5
toluene	108-88-3	47.0	100 ppm 1
amyl acetate	628-63-7	15.0	100 ppm 1
amorphous silicone dioxide	7631-86-9	5.0	20 mppcf 1
titanium dioxide	13463-67-7	1.0	5 mg/m3 Dust 1

- SOURCE OF EXPOSURE LIMIT DATA:
1. ACGIH Threshold Limit Values
 2. Federal OSHA Permissible Exposure Limit
 3. 3M Exposure Guidelines
 4. Chemical Manufacturer Recommended Guidelines
 5. None Established

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

2. PHYSICAL DATA

BOILING POINT: 232F Toluene
 VAPOR PRESSURE: 25.19 mm @ 68F
 VAPOR DENSITY (Air=1): 4.0
 EVAPORATION RATE (Ether=1): 6.0
 APPEARANCE AND ODOR: Heavy syrup - solvent odor
 SOLUBILITY IN WATER: Very slight
 SP. GRAVITY (Water=1): 0.97
 PERCENT VOLATILE: 52.0%
 VISCOSITY: 100,000 CPS
 pH: N/A

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (Closed Cup/Toluene): 40F
FLAMMABLE LIMITS - LEL: 1.0 UEL: 7.0

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 pressure buildup.

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION: MAY 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. Observe precautions from other sections. Collect spilled material. Place in a U.S. Dept. of Transportation approved metal container, and seal.

RECOMMENDED DISPOSAL:

Commercial incineration with destruction and removal efficiency greater than 99.99% or reclamation is preferred. Otherwise, dispose of in accordance with local and current U.S. Environmental Protection Agency regulations.

U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

VOC: 587 grams/liter maximum Volatile Organic Compound.

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6. SUGGESTED FIRST AID

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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.

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.

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7. PRECAUTIONARY INFORMATION

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Keep away from heat, sparks and flame. The vapors released by this
product can be easily ignited. Use only in areas adequately
ventilated with enough air movement to remove vapors and prevent
vapor buildup. 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.

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8. HEALTH HAZARD DATA

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EYE CONTACT: Liquid and vapor may cause irritation.

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

INHALATION: Solvent vapors may cause respiratory system irritation, liver and blood changes. Symptoms of exposure include dizziness, giddiness, decreased reaction time, weakness, fatigue and 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 gastrointestinal irritation with nausea, vomiting, diarrhea and temporary light-headedness. Solvent aspiration into the lungs as a result of vomiting may cause lung damage and in the extreme, death.

NOTE: Titanium dioxide is a potential cancer hazard based on animal studies at extremely high, repeated exposures.

OTHER: These effects are not expected under the conditions of product intended use.

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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 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.