

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

00-31  
 395

Duns No.: 00-617-3082

MATERIAL SAFETY  
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS

TRADE NAME:

3M Aluminum Drip-Check Sealer PART NOS. 08541 and 08543  
 3M I.D. NUMBER: 62-2315-2609-6 62-2315-5509-5

ISSUED: APRIL 12, 1989  
 SUPERSEDES: AUGUST 30, 1988  
 DOCUMENT: 10-2438-9

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
acetone	67-64-1	50.0 - 60.0	750	ppm	TWA	ACGI
acrylonitrile-butadiene copolymer	9003-18-3	10.0 - 20.0	NONE	NONE	NONE	NONE
kaolin	1332-58-7	1.0 - 10.0	10	mg/m3	TWA	ACGI
rosin ester	8050-31-5	1.0 - 10.0	NONE	NONE	NONE	NONE
magnesium resinate	68611-24-5	1.0 - 10.0	NONE	NONE	NONE	NONE
salicyclic 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	ACGI
aluminum pigments	7429-90-5	1.0 - 10.0	10	mg/m3	TWA	ACGI
amorphous silicon dioxide	7631-86-9	1.0 - 10.0	3	mg/m3	TWA	ACGI

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:

acetone

2. PHYSICAL DATA

BOILING POINT:..... 132.00 F  
 VAPOR PRESSURE:..... 180.0000 mmHg  
 (268F)  
 VAPOR DENSITY: ..... 2.00 Air = 1  
 EVAPORATION RATE:..... 1.90 Ether = 1  
 SOLUBILITY IN WATER: ..... 0.1-1.0 %  
 SP. GRAVITY:..... 1.000 Water = 1  
 PERCENT VOLATILE: ..... 58.00 %  
 VOLATILE ORGANICS: ..... 549.00 gm/l  
 (Grams/Liter)  
 pH: ..... N/A  
 VISCOSITY: ..... ca. 250.0 CPS  
 APPEARANCE AND ODOR: Aluminum colored, medium syrup, sweet/fruity odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 0.00 F T.C.C.  
 (Acetone)  
 FLAMMABLE LIMITS - LEL: ..... 2.60 %  
 FLAMMABLE LIMITS - UEL: ..... 12.80 %  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CO2, foam, dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 Fire fighters should wear self-contained breathing apparatus when fighting fires involving this material.

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

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

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**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Extremely 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:**

N/A

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition or burning may produce nitrogen decomposition products including the possibility of hydrocyanic acid (HCN).

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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 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 = 549 grams/liter.

Maximum VOC minus Water minus Exempt Solvents = 549 grams/liter.

**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:**

In case of eye contact, immediately flush eyes with plenty of water for at least 10 minutes. Call a physician.

**SKIN CONTACT:**

Wash affected area with soap and water.

**INHALATION:**

Remove to fresh air. Call a physician.

**IF SWALLOWED:**

Do not induce vomiting. Immediately call a physician or poison

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

control center.

OTHER FIRST AID:  
NONE

**7. PRECAUTIONARY INFORMATION**

Keep away from heat, sparks, flame, and other sources of ignition. The vapors released from the product can be ignited easily. Avoid prolonged breathing of vapors. Use only in areas with sufficient ventilation to maintain vapor concentrations below recommended limits. Provide local exhaust ventilation if necessary. Keep container closed when not in use. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. Keep out of the reach of children.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	---- EXPOSURE LIMITS ----			
	VALUE	UNIT	TYPE	AUTH
acetone	1780	mg/m3	TWA	ACGIH
acetone	1000	ppm	STEL	ACGIH
acetone	2375	mg/m3	STEL	ACGIH
acetone	750	ppm	TWA	OSHA
acetone	1800	mg/m3	TWA	OSHA
acetone	1000	ppm	STEL	OSHA
acetone	2400	mg/m3	STEL	OSHA
kaolin	10	mg/m3	TWA	OSHA
zinc oxide	10	mg/m3	TWA	OSHA
aluminum pigments	15	mg/m3 A1	TWA	OSHA
amorphous silicon dioxide	6	mg/m3	TWA	ACGIH

**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 contact with the eye may cause severe eye irritation.

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

**INHALATION:** Overexposure to vapors may cause respiratory system irritation and temporary nervous system impairment. Symptoms of overexposure include dizziness, giddiness, light-headedness, dryness of the mouth, weakness, nausea and headache. Single or repeated overexposure may cause hear, liver, kidney, and blood damage.

**INGESTION:** May cause digestive system irritation. Symptoms following ingestion include nausea, vomiting,, difficult breathing and nervous system impairment (light-headedness). Solvent aspiration

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**8. HEALTH HAZARD DATA (continued)**

into the lungs through vomiting following ingestion may cause lung damage, which can be fatal.

**SECTION CHANGE DATES**

**INGREDIENTS SECTION CHANGED SINCE AUGUST 30, 1988 ISSUE**

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

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.