

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

02-49  
 2261

MATERIAL SAFETY  
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION

TRADE NAME:

3M Super Trim Adhesive PART NO. 08090 / 08091 (1PA)  
 3M I.D. NUMBER: CS-0406-6930-4 62-4939-4909-3 62-4939-4910-1

ISSUED: DECEMBER 12, 1990  
 SUPERSEDES: JUNE 13, 1990  
 DOCUMENT: 11-2364-5

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS TYPE AUTH
dimethyl ether	115-10-6	25.0 - 35.0	1000 ppm	TWA CMRG
acetone	67-64-1	10.0 - 20.0	750 ppm	TWA ACGIH
cyclohexane	110-82-7	10.0 - 20.0	300 ppm	TWA ACGIH
pentane	109-66-0	10.0 - 20.0	600 ppm	TWA ACGIH
non-volatile components - New Jersey Trade Secret Registry No. 04499600-5475P (T.S.) ++	T.S.	10.0 - 20.0	NONE NONE	NONE NONE
toluene	108-88-3	1.0 - 10.0	100 ppm	TWA ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

NOTE: ++ synthetic polymers, fillers, epoxy resin, antioxidant, resin and accelerator.

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  
 cyclohexane  
 toluene

2. PHYSICAL DATA

BOILING POINT:..... N/A  
 Compressed Gas  
 VAPOR PRESSURE:..... N/A  
 Compressed Gas  
 VAPOR DENSITY:..... N/D  
 EVAPORATION RATE:..... N/D  
 SOLUBILITY IN WATER:..... nil  
 SP. GRAVITY:..... 0.760 Water = 1  
 PERCENT VOLATILE:..... 85.00 %  
 (By Weight)  
 VOLATILE ORGANICS:..... 648.00 gm/l  
 pH:..... N/A  
 VISCOSITY:..... > 100.0 CPS  
 Thin liquid in aerosol  
 APPEARANCE AND ODOR: Light yellow, thin liquid in aerosol, sweet odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -42.00 F T.C.C.  
 (dimethyl ether as propellant)  
 FLAMMABLE LIMITS - LEL:..... N/A

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

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

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**FLAMMABLE LIMITS - UEL:** ..... N/D  
Flammable Gas  
**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 product.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Extremely Flammable. Treat as a flammable pressurized container. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.  
**NFPA-HAZARD-CODES:** HEALTH 3 FIRE 4 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. **CONDITIONS TO AVOID:** Do not store at temperatures above 120F or in direct sunlight. Do not puncture or incinerate container.  
**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
CO, CO2, HCl and possible trace amounts of other chlorinated decomposition products, such as chlorine and phosgene, when subjected to excessive heat or flame.

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### 5. ENVIRONMENTAL INFORMATION

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**SPILL RESPONSE:**

If cans rupture: Extinguish all ignition sources. Ventilate the area. Observe the 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 partially full cans after mixing with flammable material in a licensed hazardous waste facility. The facility must be capable of handling aerosol cans. Do not puncture or burn cans in a household incinerator. Dispose of empty cans in a sanitary landfill. Disposal should be in accordance with applicable regulations. U.S. EPA HAZARDOUS WASTE NUMBER: D001 (IGNITABLE).

**ENVIRONMENTAL DATA:**

Volatile Organic Compound (VOC):  
Maximum VOC = 648 Grams/Liter.  
Maximum VOC minus Water minus Exempt Solvents = 648 Grams/Liter.  
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

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**5. ENVIRONMENTAL INFORMATION (continued)**

**SARA HAZARD CLASS:**

**FIRE HAZARD:** Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**6. SUGGESTED FIRST AID**

**EYE CONTACT:**

Immediately flush eyes with plenty of water. Continue for 10 minutes holding eyelids open. Call a physician.

**SKIN CONTACT:**

Wash affected area with soap and water.

**INHALATION:**

Remove person to fresh air. 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 vapors away from heat, sparks, flame and all sources of ignition. The vapors released by this product can be ignited easily and burn explosively. Avoid prolonged breathing of vapors and mist (spray particulate). Use only in areas with sufficient ventilation to maintain vapor and mist concentrations below recommended exposure limits. Avoid eye and skin contact. Wear eye (e.g., chemical goggles or safety glasses) and skin (e.g., impervious gloves) protection when spraying product. Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents may be harmful or fatal. Do not puncture or incinerate the container. Do not store at temperatures above 120F or in direct sunlight. 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	2380	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
cyclohexane	1030	mg/m3	TWA	ACGIH
cyclohexane	300	ppm	TWA	OSHA
cyclohexane	1050	mg/m3	TWA	OSHA
pentane	1770	mg/m3	TWA	ACGIH

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**7. PRECAUTIONARY INFORMATION (continued)**

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
pentane	750	ppm	STEL	ACGIH
pentane	2270	mg/m3	STEL	ACGIH
pentane	600	ppm	TWA	OSHA
pentane	1800	mg/m3	TWA	OSHA
pentane	750	ppm	STEL	OSHA
pentane	2250	mg/m3	STEL	OSHA
toluene	377	mg/m3	TWA	ACGIH
toluene	150	ppm	STEL	ACGIH
toluene	565	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

**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 may cause severe eye irritation upon direct contact. Vapor or mist may cause eye irritation.

**SKIN CONTACT:** May cause skin irritation. May cause an allergic skin reaction in some persons.

**INHALATION:** Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Repeated or extreme overexposure to vapors may cause nervous system damage. Overexposure to acetone may cause heart, liver, kidney and blood damage. Overexposure to cyclohexane vapors may cause liver and kidney changes based on animal studies. Gross overexposure, such as is caused by intentional inhalation of concentrated vapors in a confined vessel, can result in serious damage, including asphyxiation and death. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, and on extreme overexposure, unconsciousness.

**INGESTION:** Accidental ingestion is unlikely from an aerosol container. Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Aspiration of liquid into the lungs as a result of vomiting may cause lung damage, which can be fatal.

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