

## 3M General Offices

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

03-10  
3571

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET



## DIVISION: ADHESIVES, COATINGS AND SEALERS

## TRADE NAME:

3M General Trim Adhesive (1XA) PART NO. 08080/08081  
3M I.D. NUMBER: 62-4636-3709-0 62-4636-5009-3

ISSUED: DECEMBER 30, 1989

SUPERSEDES: JULY 17, 1989

DOCUMENT: 11-0089-0

| 1. INGREDIENT                                                                           | C.A.S. NO. | PERCENT     | EXPOSURE<br>VALUE UNIT | LIMITS<br>TYPE AUTH |
|-----------------------------------------------------------------------------------------|------------|-------------|------------------------|---------------------|
| dimethyl ether                                                                          | 115-10-6   | 50.0 - 60.0 | 1000 ppm               | TWA CMRG            |
| pentane                                                                                 | 109-66-0   | 10.0 - 20.0 | 600 ppm                | TWA ACGIH           |
| cyclohexane                                                                             | 110-82-7   | 10.0 - 20.0 | 300 ppm                | TWA ACGIH           |
| non-volatile components - N.J.<br>Trade Secret (T.S.) Registry No.<br>04499600-5468P ++ | T.S.       | 10.0 - 20.0 | NONE NONE              | NONE NONE           |
| naphthol spirits                                                                        | 64742-48-9 | 1.0 - 10.0  | 300 ppm                | TWA CMRG            |

## SOURCE OF EXPOSURE LIMIT DATA:

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

NOTE: ++ synthetic polymers, adhesion promoter, antioxidant, synthetic resin, u.v. absorber and resin.

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:  
cyclohexane

## 2. PHYSICAL DATA

BOILING POINT:..... Compressed gas  
VAPOR PRESSURE:..... Compressed gas  
VAPOR DENSITY: ..... N/A  
EVAPORATION RATE:..... N/A  
SOLUBILITY IN WATER: ..... Nil  
SP. GRAVITY:..... N/A  
PERCENT VOLATILE: ..... 89.50 %  
VOLATILE ORGANICS: ..... 682.00 gm/l  
pH: ..... N/A  
VISCOSITY: ..... N/A - Aerosol  
APPEARANCE AND ODOR: Clear-translucent thin liquid, solvent odor.

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F  
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:  
Extremely Flammable. (Treat as flammable pressurized container).

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

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Overheated, closed container adjacent to fire could explode due to pressure buildup.  
NFPA-HAZARD-CODES: HEALTH 2 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 puncture or incinerate container. Do not store at temperatures above 120F.  
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:

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. 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 No.: D001 (Ignitable).

#### ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):  
Maximum VOC = 682 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 682 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: Yes 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.

#### SKIN CONTACT:

Thoroughly wash affected area with soap and water.

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6. SUGGESTED FIRST AID (continued)

**INHALATION:**

Remove person to uncontaminated 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 all sources of ignition. The vapors released by this product can easily be ignited and burn explosively. Do not take internally. Use only in areas with sufficient ventilation to maintain vapor and mist concentrations below recommended exposure limits. Avoid breathing vapors or mist. If adequate ventilation cannot be maintained, consult a local safety appliance dealer for an appropriate respirator suited for your application. Prevent eye and skin contact; wear chemical goggles or safety glasses and impervious gloves when handling this product. Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Do not puncture or incinerate container. Do not store container at temperatures above 120F. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

| INGREDIENTS      | EXPOSURE LIMITS |       | AUTH |       |
|------------------|-----------------|-------|------|-------|
|                  | VALUE           | UNIT  | TYPE |       |
| pentane          | 1800            | mg/m3 | TWA  | ACGIH |
| pentane          | 750             | ppm   | STEL | ACGIH |
| pentane          | 2250            | mg/m3 | STEL | ACGIH |
| pentane          | 1000            | ppm   | TWA  | OSHA  |
| pentane          | 2950            | mg/m3 | TWA  | OSHA  |
| cyclohexane      | 1050            | mg/m3 | TWA  | ACGIH |
| cyclohexane      | 300             | ppm   | TWA  | OSHA  |
| cyclohexane      | 1050            | mg/m3 | TWA  | OSHA  |
| naphthol spirits | 1900            | mg/m3 | TWA  | CMRG  |

**SOURCE OF EXPOSURE LIMIT DATA:**

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

8. HEALTH HAZARD DATA

**EYE CONTACT:** Liquid and spray may be irritating to eyes upon direct contact.

**SKIN CONTACT:** Spray may cause skin irritation. Symptoms may include

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8. HEALTH HAZARD DATA

(continued)

dryness and cracking. Cyclohexane may be absorbed through the skin in harmful amounts.

INHALATION: Vapor overexposure may cause respiratory irritation and temporary nervous system impairment (light-headedness). Prolonged or repeated overexposure to cyclohexane vapors may cause liver and kidney changes. Symptoms of overexposure may range from mild light headedness through weakness, dizziness, headache, nausea and facial numbness. 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.

INGESTION: Accidental ingestion from an aerosol container is unlikely. Intentional concentration and swallowing the liquid product may cause digestive system irritation. Symptoms may include nausea, vomiting, abdominal pain, malaise, dizziness and loss of coordination. Solvent aspiration into the lungs as a result of vomiting may cause lung damage and, in the extreme, may be fatal.

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SECTION CHANGE DATES

ENVIRON. DATA

SECTION CHANGED SINCE JULY 17, 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.