

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

02-77  
 2566

MATERIAL SAFETY  
 DATA SHEET



**DIVISION:** AUTOMOTIVE TRADES  
**TRADE NAME:**  
 3M Hood Flutter Repair Kit PART NO. 08105 Accelerator (1XB)  
**3M I.D. NUMBER:** 62-3515-2409-5

**ISSUED:** APRIL 12, 1990  
**SUPERSEDES:** SEPTEMBER 21, 1989  
**DOCUMENT:** 10-9146-1

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
diphenylmethane diisocyanate (MDI)	26447-40-5	20.0 - 35.0	0.005	ppm	TWA	ACGIH
higher oligmers of MDI	9016-87-9	20.0 - 35.0	0.005	ppm	TWA	3M
talc	14807-96-6	20.0 - 30.0	2	mg/m <sup>3</sup>	TWA	ACGIH
polypropylene glycol	25322-69-4	20.0 - 30.0	NONE	NONE	NONE	NONE
zeolites	68989-22-0	1.0 - 10.0	NONE	NONE	NONE	NONE
carbon black	1333-86-4	1.0 - 10.0	3.5	mg/m <sup>3</sup>	TWA	ACGIH

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- 3M: 3M Medical Department Guideline
- NONE: None Established

**NOTE:** This ACCEL. (Mfg #1XB-3615) used with 3M Hood Flutter Repair Kit ....  
 BASE (1XB); (Mfg. #1XB-3535 - MSDS DOC #1091453).

**2. PHYSICAL DATA**

**BOILING POINT:**..... 406.00 F  
 @ 5mm Hg  
**VAPOR PRESSURE:**..... 0.0010 mmHg  
 @ 25C  
**VAPOR DENSITY:** ..... N/A  
**EVAPORATION RATE:**..... N/A  
**SOLUBILITY IN WATER:** ..... Insoluble  
**SP. GRAVITY:**..... 1.350 Water = 1  
**PERCENT VOLATILE:** ..... 0.00 %  
**VOLATILE ORGANICS:** ..... N/A  
**pH:** ..... N/A  
**VISCOSITY:** ..... 15000.0-40000.0 CPS  
**APPEARANCE AND ODOR:** Brown, viscous liquid

**3. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:**..... N/A  
**FLAMMABLE LIMITS - LEL:** ..... N/A  
**FLAMMABLE LIMITS - UEL:** ..... N/A  
**AUTOIGNITION TEMPERATURE:** ... N/D  
**EXTINGUISHING MEDIA:**  
 CO<sub>2</sub>, foam, dry chemical, water spray  
**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:**  
 None.  
**NFPA-HAZARD-CODES:** HEALTH 2 FIRE 0 REACTIVITY 1  
**UNUSUAL REACTION HAZARD:** None

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

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#### 4. REACTIVITY DATA

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**STABILITY:** Stable

**INCOMPATIBILITY - MATERIALS TO AVOID:**

Reacts with water (liquid and atmospheric), acids, alcohols, alkalis, amines and similar compounds

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition may produce CO, CO<sub>2</sub>, nitrogen oxides and possible traces of hydrogen cyanide. Thermal decomposition of polyurethane or polyisocyanurate foams at temperatures below their ignition points may generate isocyanate vapors and other irritating volatile products.

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#### 5. ENVIRONMENTAL INFORMATION

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**SPILL RESPONSE:**

Ventilate area. Observe precautions from other sections. Only properly protected personnel should remain in the immediate area. Post the area to prevent admittance by unprotected personnel. Contain the spill by covering with loose, absorbent material (sawdust or oil dry). Place in a suitable open top metal container (U.S. Department of Transportation - approved if waste is to be shipped). Remove waste and container to well ventilated area and treat by spraying with a dilute ammonia solution (90% water, 8% concentrated NH<sub>4</sub>OH (ammonium hydroxide) and 2% liquid detergent). Leave ventilated 24 hours, then seal container. Wash down spill area with dilute ammonia solution to neutralize remaining residue of isocyanate.

**RECOMMENDED DISPOSAL:**

FOR ACCELERATOR ONLY and/or TWO COMPONENT MATERIAL (WHEN COMPONENT HAVE BEEN MIXED TOGETHER): Fully-cured or neutralized waste may be disposed of in a sanitary landfill. Incinerate unused or partially cured bulk material after mixing with flammable material in an industrial or commercial facility. Disposal should be in accordance with applicable regulations.

**ENVIRONMENTAL DATA:**

Volatile Organic Compound (VOC):  
Maximum VOC = N/A.  
Maximum VOC minus Water minus Exempt Solvents = N/A.

**SARA HAZARD CLASS:**

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

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#### 6. SUGGESTED FIRST AID

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**EYE CONTACT:**

Immediately flush eyes with large amounts of water for 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 breathing becomes difficult.

**IF SWALLOWED:**

Do not induce vomiting. Immediately call a physician or poison control center.

**OTHER FIRST AID:**

NONE

**7. PRECAUTIONARY INFORMATION**

FOR INDUSTRIAL AND PROFESSIONAL USE ONLY. This material is part of a two component system. The precautions for each component should be observed when separate or mixed. Do not breathe vapors. Use only in areas with sufficient ventilation to maintain airborne concentrations below recommended exposure limits, local exhaust may be necessary. If local exhaust is unavailable or ventilation is insufficient to maintain airborne concentrations below recommended exposure limits use an approved respirator e.g. a N.I.O.S.H. air-supplied or self-contained breathing apparatus. Post the work area to prevent entry by unprotected individuals. Prevent contact with eyes and skin by using suitable personal protective equipment, i.e. chemical goggles, rubber or plastic gloves and protective clothing when handling this material. Remove contaminated clothing and launder before reuse. Wash thoroughly after handling material. Keep container tightly closed when not in use. Keep out of the reach of children.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS	
	VALUE	UNIT
diphenylmethane diisocyanate (MDI)	0.005	ppm
diphenylmethane diisocyanate (MDI)	0.02	ppm
diphenylmethane diisocyanate (MDI)	0.055	mg/m3
diphenylmethane diisocyanate (MDI)	0.02	NONE
diphenylmethane diisocyanate (MDI)	0.2	mg/m3
higher oligmers of MDI	0.02	ppm
talc	2	mg/m3
carbon black	3.5	mg/m3

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline

**8. HEALTH HAZARD DATA**

**EYE CONTACT:** Irritating to eyes upon direct contact.

**SKIN CONTACT:** Irritating to skin upon prolonged contact. May cause

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

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an allergic skin reaction in some people.

**INHALATION:** Vapor overexposure, may cause respiratory system irritation. Diphenylmethane diisocyanate (MDI) may cause an asthma-like respiratory reaction in certain individuals. Symptoms of exposure may include tightness of chest, difficult breathing, lung congestion and edema, nausea, vomiting, headache, dizziness, fatigue, and on extreme overexposure, unconsciousness.

**INGESTION:** May cause digestive system irritation.

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**SECTION CHANGE DATES**

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<b>HEADING</b>	<b>SECTION CHANGED SINCE SEPTEMBER 21, 1989 ISSUE</b>
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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.