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

MATERIAL SAFETY
DATA SHEET

DIVISION: AUTOMOTIVE TRADES
TRADE NAME:
3M Structural Adhesive (Part B) PART NO. 08101
3M I.D. NUMBER: 62-3535-0509-2

ISSUED: APRIL 12, 1990
SUPERSEDES: SEPTEMBER 21, 1989
DOCUMENT: 10-3181-4

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE LIMITS VALUE UNIT	TYPE AUTH
polyester resin - Vendor Trade Secret (V.T.S.)	V.T.S.	40.0 - 50.0	NONE NONE	NONE NONE
talc	14807-96-6	15.0 - 25.0	2 mg/m3	TWA ACGIH
polypropylene glycol	25322-69-4	15.0 - 25.0	NONE NONE	NONE NONE
titanium dioxide	13463-67-7	5.0 - 15.0	10 mg/m3	TWA ACGIH
polyoxypropylene triol	25723-16-4	1.0 - 10.0	NONE NONE	NONE NONE
zeolites, naa	68989-22-0	1.0 - 10.0	NONE NONE	NONE NONE
o-diethylbisaniline	13680-35-8	1.0 - 10.0	NONE NONE	NONE NONE
beta-(3,4-epoxycyclohexyl) ethyltrimethoxysilane	3388-04-3	0.1 - 0.5	NONE NONE	NONE NONE

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

NOTE: This Base (Mfg. #EC-3535) used with 3M Structural Adh. (Part A) PART No. #08101; (Mfg. #EC-3635 - MSDS DOC #1031806).

2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY: ..... N/A
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER: ..... Very slight
SP. GRAVITY:..... 1.310 Water = 1
PERCENT VOLATILE: ..... 0.00 %
VOLATILE ORGANICS: ..... N/A
pH: ..... N/A
VISCOSITY: ..... 5000.0-40000.0 CPS
APPEARANCE AND ODOR: White, viscous liquid, resinous odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:.....
FLAMMABLE LIMITS - LEL: .....
FLAMMABLE LIMITS - UEL: .....
AUTOIGNITION TEMPERATURE: ...
EXTINGUISHING MEDIA:
CO2, foam, dry chemical, water
SPECIAL FIRE FIGHTING PROCEDURES:
Fire fighters should wear self-contained breathing apparatus when fighting fires involving this material.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None.
NFPA-HAZARD-CODES: HEALTH 1 **FIRE** 0 **REACTIVITY** 1
UNUSUAL REACTION HAZARD: NONE

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

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4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
N/A
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2, nitrogen oxides and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Ventilate the area. Observe precautions from other sections. Collect spilled material. Place in a suitable U.S. Department of Transportation - approved container, and seal.

RECOMMENDED DISPOSAL:
FOR BASE ONLY: DO NOT LANDFILL when in liquid form. Incinerate bulk material after mixing with flammable material in an industrial or commercial facility. Disposal should be in accordance with applicable regulations. FOR BASE (WHEN MIXED WITH ACCELERATOR): Fully-cured or neutralized waste may be disposed 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

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with plenty of water for at least 10 minutes and call a physician.

SKIN CONTACT:
Wash thoroughly with soap and water.

INHALATION:
Provide fresh air. Call a physician.

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

OTHER FIRST AID:
NONE

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7. PRECAUTIONARY INFORMATION

This material is part of a two component system. The precautions for each component should be observed when separate or mixed. PRECAUTIONS FOR BASE MATERIAL ONLY: Avoid contact with eyes and skin; wear safety glasses and impervious gloves when handling material. Keep container closed when not in use. Keep out of the reach of children. PRECAUTIONS FOR TWO-COMPONENT MATERIAL: When this base is used in combination with the accelerator follow the precautions outlined in the accelerator 3M Structural Adhesive (Part B) PART NO. 08101 Material Safety Data Sheet.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS VALUE	UNIT	TYPE	AUTH
talc	2	mg/m3	TWA	OSHA
titanium dioxide	10	mg/m3	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: May cause eye irritation.

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

INHALATION: Vapors released during heat curing may cause respiratory irritation.

INGESTION: May cause digestive system irritation.

OTHER: beta-(3,4-epoxycyclohexyl)ethyltrimethoxysilane, (present at a level below 0.5%) has been shown to be weakly tumorigenic in mice by chronic recurrent application to the skin. The relevance of these findings to man is unknown.

SECTION CHANGE DATES

HEADING **SECTION CHANGED SINCE** SEPTEMBER 21, 1989 **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 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.