

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

00-14
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MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES

TRADE NAME:

3M Brand SHORT-CUT (TM) Auto Glass Adhesive/Sealant PART NO. 08600
 (BASE - PB)

3M I.D. NUMBER: 62-5190-2409-5

ISSUED: APRIL 12, 1990
SUPERSEDES: MAY 24, 1989
DOCUMENT: 11-1406-5

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
polyol	25190-06-1	40.0 - 50.0	NONE	NONE	NONE	NONE
terpene resin	25359-84-6	10.0 - 20.0	NONE	NONE	NONE	NONE
polyol	9003-11-6	1.0 - 10.0	NONE	NONE	NONE	NONE
carbon black	1333-86-4	1.0 - 10.0	3.5	mg/m ³	TWA	ACGIH
plasticizer	70775-94-9	1.0 - 10.0	NONE	NONE	NONE	NONE
toluene	108-88-3	1.0 - 10.0	100	ppm	TWA	ACGIH
1,4-butanediol	110-63-4	1.0 - 10.0	NONE	NONE	NONE	NONE
silicon dioxide	67762-90-7	1.0 - 10.0	NONE	NONE	NONE	NONE
polyol	77-99-6	1.0 - 10.0	NONE	NONE	NONE	NONE
organosilane	4420-74-0	1.0 - 10.0	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

NOTE: This BASE (PB-5190) used with SHORT-CUT Auto Glass Adh/Slnt PN 08600 (ACCEL. - PB); Mfg. No. PB-5025, MSDS DOC #1114073).

2. PHYSICAL DATA

BOILING POINT:..... 232.00 F
 VAPOR PRESSURE:..... 25.1900 mmHg
 VAPOR DENSITY:..... 3.14 Air = 1
 EVAPORATION RATE:..... 4.50 Ether = 1
 SOLUBILITY IN WATER: Slight
 SP. GRAVITY:..... 1.010 Water = 1
 PERCENT VOLATILE: 6.00 %
 VOLATILE ORGANICS: N/D
 pH: N/D
 VISCOSITY: Thixotropic paste (viscous)
 APPEARANCE AND ODOR: Black, thixotropic paste, sweet odor (combined with accelerator - pungent odor).

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 155.00 F T.C.C.
 FLAMMABLE LIMITS - LEL: 1.30 %
 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 product.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Combustible. Overheated, closed container adjacent to fire could

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

explode due to internal pressure buildup.
NFPA-HAZARD-CODES: HEALTH 1 FIRE 1 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Water, acids (not a hazard).
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 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/D.
Maximum VOC minus Water minus Exempt Solvents = N/D.

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Flush eyes with large amounts of water for at least 10 minutes.

SKIN CONTACT:

Wipe off contamination. Wash affected area with soap and water.

INHALATION:

Move to fresh air if symptoms occur. If breathing is difficult, get

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6. SUGGESTED FIRST AID (continued)

medical attention.

IF SWALLOWED:

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

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. This material is part of a two component system. The precautions for each component should be observed when separate or mixed. 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 (****) Material Safety Data Sheet.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH
	VALUE	UNIT	
carbon black	3.5	mg/m3	TWA OSHA
toluene	375	mg/m3	TWA ACGIH
toluene	150	ppm	STEL ACGIH
toluene	560	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: May cause mild eye irritation.

SKIN CONTACT: May cause mild skin irritation.

INHALATION: No adverse health effects are expected. (Toluene can cause nervous system impairment and respiratory irritation and on repeated or extreme overexposure can cause nervous system damage. 1,4-Butanediol can cause nervous system impairment and kidney injury. Due to the low concentrations of these ingredients in the product, these health effects are not anticipated in normal use.)

INGESTION: May cause digestive system irritation. (Toluene can cause nervous system impairment. The organosilane reacts with

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8. HEALTH HAZARD DATA (continued)

stomach acid to form methyl alcohol (methanol) which can cause blindness or death. Due to the low concentrations of these ingredients in the product these health effects are not anticipated from a single accidental ingestion.)

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE MAY 24, 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.