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

MATERIAL SAFETY
DATA SHEET

DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME:
3M Clear Auto Glass Sealer Part No. 08551
3M I.D. NUMBER: 62-5555-2609-4

ISSUED: DECEMBER 30, 1989
SUPERSEDES: APRIL 12, 1989
DOCUMENT: 10-5922-9

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE LIMITS VALUE UNIT	TYPE AUTH
poly(butyl methacrylate)	9003-63-8	40.0 - 50.0	NONE NONE	NONE NONE
naphthol spirits	64742-48-9	40.0 - 50.0	300 ppm	TWA CMRG
toluene	108-88-3	10.0 - 20.0	100 ppm	TWA ACGIH

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

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:
toluene

2. PHYSICAL DATA

BOILING POINT:..... 232.00 F
VAPOR PRESSURE:..... 25.1900 mmHg
@ 68F
VAPOR DENSITY: ..... 3.00 Air = 1
EVAPORATION RATE:..... > 2.00 Ether = 1
SOLUBILITY IN WATER: ..... Nil
SP. GRAVITY:..... 0.880 Water = 1
PERCENT VOLATILE: ..... 55.00 %
VOLATILE ORGANICS: ..... 481.00 gm/l
pH: ..... N/A
VISCOSITY: ..... ca. 6600.0 CPS
APPEARANCE AND ODOR: Clear, liquid, odor of naphtha

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 42.00 F
FLAMMABLE LIMITS - LEL: ..... 1.00 %
FLAMMABLE LIMITS - UEL: ..... 7.00 %
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
CO_2, 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:
Flammable. Overheated, closed containers adjacent to fire could explode due to pressure buildup.
NFPA-HAZARD-CODES: HEALTH 2 **FIRE** 3 **REACTIVITY** 0
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 and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect the spilled material using non-sparking tools. Place in a U.S. Department of Transportation - approved metal container, and seal.

RECOMMENDED DISPOSAL:
Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:
Volatile Organic Compound (VOC):
Maximum VOC = 481 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 481 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:** 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. Call a physician.

SKIN CONTACT:
Wash with soap and water.

INHALATION:
Remove individual to uncontaminated air. If breathing is difficult, give artificial respiration and call a physician.

IF SWALLOWED:
Do not induce vomiting. Give two glasses of milk or water to drink. Call a physician. Do not give liquids to an unconscious person.

OTHER FIRST AID:
NONE

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DECEMBER 30, 1989

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flames, and other sources of ignition. The vapors released from the product can be ignited easily. Avoid prolonged breathing of vapors. Use only in areas with sufficient ventilation to maintain vapor concentrations below recommended exposure limits. Provide local exhaust ventilation if necessary. Keep container closed when not in use. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS VALUE	UNIT	TYPE	AUTH
naphthol spirits	1900	mg/m3	TWA	CMRG
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
- CMRG: Chemical Manufacture Recommended Guidelines

8. HEALTH HAZARD DATA

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation on prolonged or repeated contact. Symptoms include dryness and cracking leading to dermatitis.

INHALATION: Solvent exposure may cause respiratory system irritation and light-headedness. Symptoms of overexposure include dizziness, weakness, fatigue, nausea, headache and unconsciousness. Repeated or extreme overexposure to toluene vapors may cause nervous system damage.

INGESTION: May cause digestive system irritation with nausea, vomiting and temporary nervous system impairment. Solvent aspiration into the lungs may cause lung damage and in the extreme, death.

SECTION CHANGE DATES

ENVIRON. DATA **SECTION CHANGED SINCE** APRIL 12, 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.