

MATERIAL SAFETY DATA SHEET 3M

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DIVISION: AUTOMOTIVE AFTERMARKET
TRADE NAME:

3M General Trim Adhesive - Clear, P.N. 08080, 08081, 08088, 08089

ID NUMBER/U.P.C.:

60-9800-3060-9 00-51135-08088-7 60-9800-3061-7 00-51135-08089-4
60-9800-3236-5 00-51135-08080-1 60-9800-3237-3 00-51135-08081-8
CS-0406-7018-7 - - -

ISSUED: November 26, 1997
SUPERSEDES: August 27, 1997
DOCUMENT: 07-5742-7

Table with 4 columns: I. INGREDIENT, C.A.S. NO., PERCENT, and a fourth column for additional percentages. Rows include DIMETHYL ETHER, ACETONE, CYCLOHEXANE, PROPANE, PENTANE, NON-VOLATILE COMPONENTS, NAPHTHOL SPIRITS, ISOBUTANE, and ISOPENTANE.

This product contains the following toxic chemical or chemicals subject to
the reporting requirements of Section 313 of Title III of the Emergency
Planning and Community Right-To-Know 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
SPECIFIC GRAVITY: 0.695 Water=1

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

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2. PHYSICAL DATA (continued)

PERCENT VOLATILE: 87.75 % by wt
pH: N/A
VISCOSITY: N/A - Aerosol
MELTING POINT: N/D

of direct sunlight. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. No smoking while handling this material. Vapors may ignite explosively. Avoid static discharge.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
DIMETHYL ETHER.....	1000	PPM	TWA	CMRG	
DIMETHYL ETHER.....	500	PPM	TWA	AIHA	
DIMETHYL ETHER.....	942	MG/M3	TWA	AIHA	
ACETONE.....	750	PPM	TWA	ACGIH	
ACETONE.....	1000	PPM	STEL	ACGIH	
ACETONE.....	750	PPM	TWA	OSHA	

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ACETONE.....	1000	PPM	STEL	OSHA	
CYCLOHEXANE.....	300	PPM	TWA	ACGIH	
CYCLOHEXANE.....	300	PPM	TWA	OSHA	
PROPANE.....	1000	PPM	TWA	OSHA	
PROPANE.....	NONE	NONE	NONE	ACGIH	
Simple asphyxiant					
PENTANE.....	600	PPM	TWA	ACGIH	
PENTANE.....	750	PPM	STEL	ACGIH	
PENTANE.....	600	PPM	TWA	OSHA	
PENTANE.....	750	PPM	STEL	OSHA	
NON-VOLATILE COMPONENTS - New Jersey Trade Secret Registry No. 04499600-5468P.....					
NAPHTHOL SPIRITS.....	100	PPM	TWA	3M	
NAPHTHOL SPIRITS.....	300	PPM	TWA	CMRG	
ISOBUTANE.....	NONE	NONE	NONE	NONE	
ISOPENTANE.....	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Recommended Exposure Guidelines
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- NONE: None Established
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level Guideline

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

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8. HEALTH HAZARD DATA (continued)

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Prolonged or repeated exposure may cause:

May be harmful if inhaled.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

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Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

SECTION CHANGE DATES

ENVIRONMENTAL INFO. SECTION CHANGED SINCE August 27, 1997 ISSUE

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