

3M General Offices

3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

Duns No.: 00-617-3082

07-89
8729

**MATERIAL SAFETY
DATA SHEET****3M****DIVISION: AUTOMOTIVE TRADES DIVISION****TRADE NAME:**

3M Brand Polyolefin Adhesion Promoter P/N 5907
3M I.D. NUMBER: 60-9800-0956-1

ISSUED: APRIL 27, 1989

SUPERSEDES: MARCH 15, 1989

DOCUMENT: 10-2859-6

1. INGREDIENT	C.A.S. NO.	PERCENT	---- EXPOSURE		LIMITS ----	
			VALUE	UNIT	TYPE	AUTH
TOLUENE	108-88-3	60.0 - 75.0	100	ppm	TWA	ACGIH
CHLORINATED OLEFIN	N/D	5.0 - 10.0	NONE	NONE	NONE	NONE
PROPANE/	74-98-6	15.0 - 25.0	1000	ppm	TWA	OSHA
ISOBUTANE PROPELLANT	75-28-5	5.0 - 10.0	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 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:..... AEROSOL
VAPOR PRESSURE:..... COMPRESSED GAS
VAPOR DENSITY:..... 3.20 Air = 1
EVAPORATION RATE:..... 1.80 Butyl Acetate = 1
SOLUBILITY IN WATER:..... INSOLUBLE
SP. GRAVITY:..... 0.876 Water = 1
PERCENT VOLATILE:..... 96-99
VOLATILE ORGANICS:..... N/D
pH:..... N/A
VISCOSITY:..... 1-3 CPS
APPEARANCE AND ODOR: AROMATIC HYDROCARBON WITH A VERY LIGHT YELLOW COLOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 28 F TAG OPEN CUP
FLAMMABLE LIMITS - LEL: 1.2%
FLAMMABLE LIMITS - UEL: 7%
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
FOAM, DRY CHEMICALS, CARBON DIOXIDE, WATER SPRAY
SPECIAL FIRE FIGHTING PROCEDURES:
SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE
WORN IN FIGHTING FIRES INVOLVING CHEMICALS.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN
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:

OXIDIZING MATERIALS CAN CAUSE A VIGOROUS REACTION.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

COMBUSTION WILL PRODUCE CARBON DIOXIDE AND CARBON MONOXIDE.

DECOMPOSITION WILL PROBABLY PRODUCE CHLORINE-CONTAINING PRODUCTS.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

IF AEROSOL CANS RUPTURE, EXTINGUISH IGNITION SOURCES. VENTILATE AREA. COVER WITH ABSORBENT MATERIAL, PLACE IN U.S. DOT APPROVED METAL CONTAINER AND SEAL.

RECOMMENDED DISPOSAL:

INCINERATE FULL OR PARTIALLY USED CANS IN A HAZARDOUS WASTE FACILITY.

INCINERATE COMPLETELY ABSORBED WASTE IN A HAZARDOUS WASTE FACILITY.

DISPOSE OF COMPLETELY EMPTY CANS IN A SANITARY LANDFILL. U.S. EPA

HAZARD WASTE NUMBER: D001 (IGNITABLE).

ENVIRONMENTAL DATA:

N/D

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST TEN MINUTES. CALL A PHYSICIAN.

SKIN CONTACT:

WASH WITH SOAP AND WATER.

INHALATION:

PROVIDE FRESH AIR. IF BREATHING IS DIFFICULT, CALL A PHYSICIAN.

IF SWALLOWED:

DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

KEEP PRODUCT AND ITS VAPORS AWAY FROM HEAT, SPARKS AND OPEN FLAME.

EXTINGUISH AND DO NOT IGNITE ANY FLAME IN THE IMMEDIATE WORK AREA.

USE ONLY IN AREAS WITH SUFFICIENT VENTILATION TO MAINTAIN VAPOR

CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS. AVOID EYE CONTACT

AND PROLONGED SKIN CONTACT. AVOID BREATHING VAPORS AND OVERSPRAY

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7. PRECAUTIONARY INFORMATION (continued)

(AIRBORNE PRODUCT PARTICLES). DO NOT PUNCTURE OR INCINERATE. DO NOT STORE ABOVE 120 F OR IN DIRECT SUNLIGHT. KEEP OUT OF THE REACH OF CHILDREN.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE		LIMITS	
	VALUE	UNIT	TYPE	AUTH
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
PROPANE/	1800	mg/m3	TWA	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 EYE IRRITATION.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION ON PROLONGED CONTACT.

INHALATION: OVEREXPOSURE TO SOLVENTS MAY CAUSE RESPIRATORY SYSTEM IRRITATION AND TEMPORARY NERVOUS SYSTEM IMPAIRMENT. CHRONIC EXTREME OVEREXPOSURE TO TOLUENE VAPORS MAY CAUSE NERVOUS SYSTEM DAMAGE. SYMPTOMS MAY INCLUDE FATIGUE, NAUSEA, WEAKNESS, DIZZINESS, AND CONFUSION.

INGESTION: SOLVENT ASPIRATION INTO THE LUNGS MAY CAUSE LUNG DAMAGE OR DEATH. MAY CAUSE DIGESTIVE SYSTEM IRRITATION WITH NAUSEA, VOMITING, AND TEMPORARY NERVOUS SYSTEM IMPAIRMENT.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE MARCH 15, 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 product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.