

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
 St. Paul, Minnesota
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DIVISION: AUTOMOTIVE AFTERMARKET
 TRADE NAME:

3M(TM) Polyolefin Adhesion Promoter, P.N. 05907, 05917

ID NUMBER/U.P.C.:

60-9800-1914-9	00-51131-05907-8	GS-2000-2235-7	-	-	-
GS-2000-2237-3	-	-	GS-2000-2240-7	-	-
GS-2000-2247-2	-	-	GS-2000-3022-8	-	-
GS-2000-3023-6	-	-	GS-2000-3024-4	-	-
GS-2000-3025-1	-	-	GS-2000-3029-3	-	-

ISSUED: November 08, 2001
 SUPERSEDES: August 08, 2001
 DOCUMENT: 05-7338-6

1. INGREDIENT	C.A.S. NO.	PERCENT	
TOLUENE.....	108-88-3	60	- 100
PROPANE.....	74-98-6	15.0	- 25.0
ISOBUTANE.....	75-28-5	5.0	- 10.0
CHLORINATED POLYOLEFIN.....	Unknown	1.0	- 5.0
ETHYLBENZENE.....	100-41-4	1.0	- 5.0
XYLENE.....	1330-20-7		< 1
ACETONE.....	67-64-1		< 0.5
BENZENE.....	71-43-2		< 0.1

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:

- TOLUENE
- ETHYLBENZENE
- XYLENE
- BENZENE

 2. PHYSICAL DATA

BOILING POINT:..... AEROSOL
 VAPOR PRESSURE:..... COMPRESSED GAS
 VAPOR DENSITY:..... 3.20 Air=1
 EVAPORATION RATE:..... 1.80 BuOAc=1

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

2. PHYSICAL DATA (continued)

SOLUBILITY IN WATER:..... INSOLUBLE
SPECIFIC GRAVITY:..... 0.876 Water=1
PERCENT VOLATILE:..... 96-99
pH:..... N/A
VISCOSITY:..... 1-3 CPS
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Liquid in aerosol container,, very light yellow, aromatic hydrocarbon odor

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:

Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Oxidizing materials can cause a vigorous reaction.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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4. REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or
Particulates.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding
physical and health hazards, respiratory protection, ventilation, and
personal protective equipment. Extinguish all ignition sources.
Contain spill. Cover with absorbent material. Collect using non-
sparking tools. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence
of a combustible material. Do not puncture or burn cans in a
household incinerator. Facility must be capable of handling aerosol
cans. Dispose of empty cans in a sanitary landfill. Dispose of
waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 857 gms/liter calculated per SCAQMD rule
443.1.
VOC Less H2O & Exempt Solvents: 857 gms/liter calculated per SCAQMD rule
443.1.

Since regulations vary, consult applicable regulations or authorities
before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

EPCRA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate
medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get
medical attention.

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6. SUGGESTED FIRST AID (continued)

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polyvinyl alcohol, fluoroelastomer (Viton).

RECOMMENDED VENTILATION:

Do not use in a confined area or areas with little or no air movement. Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Store in a cool place. Store away from heat. Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

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

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 7. PRECAUTIONARY INFORMATION (continued)

discharge.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
TOLUENE.....	50	PPM	TWA	ACGIH	Y
TOLUENE.....	100	PPM	TWA	OSHAV	
			OSHA VACATED PEL		
TOLUENE.....	150	PPM	STEL	OSHAV	
			OSHA VACATED PEL		
TOLUENE.....	200	PPM	TWA	OSHA	
TOLUENE.....	300	PPM	CEIL	OSHA	
TOLUENE.....	75	PPM	STEL	CMRG	Y
PROPANE.....	1000	PPM	TWA	OSHA	
PROPANE.....	2500	PPM	TWA	ACGIH	
ISOBUTANE.....	NONE	NONE	NONE	NONE	
CHLORINATED POLYOLEFIN.....	NONE	NONE	NONE	NONE	
ETHYLBENZENE.....	100	PPM	TWA	ACGIH	
ETHYLBENZENE.....	125	PPM	STEL	ACGIH	
ETHYLBENZENE.....	100	PPM	TWA	OSHA	
ETHYLBENZENE.....	125	PPM	STEL	OSHA	
XYLENE.....	100	PPM	TWA	ACGIH	
XYLENE.....	150	PPM	STEL	ACGIH	
XYLENE.....	100	PPM	TWA	OSHA	
XYLENE.....	150	PPM	STEL	OSHA	
ACETONE.....	500	PPM	TWA	ACGIH	
ACETONE.....	750	PPM	STEL	ACGIH	
ACETONE.....	750	PPM	TWA	OSHAV	
			OSHA VACATED PEL		
ACETONE.....	1000	PPM	STEL	OSHAV	
			OSHA VACATED PEL		
ACETONE.....	1000	PPM	TWA	OSHA	
BENZENE.....	2.5	PPM	STEL	ACGIH	Y
BENZENE.....	0.5	PPM	TWA	ACGIH	Y
BENZENE.....	1	PPM	TWA	OSHA	
BENZENE.....	5	PPM	STEL	OSHA	
BENZENE.....	0.5	PPM	TWA	OSHA	
			OSHA ACTION LEVEL		

* 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
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*

- OSHAV:	Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.				
- NONE:	None Established				

8. HEALTH HAZARD DATA

EYE CONTACT:

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

SKIN CONTACT:

Moderate Skin Irritation: signs/symptoms can include redness, swelling, itching, and dryness.

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

INHALATION:

May be harmful if inhaled.

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.

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

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

Central Neuropathy: signs/symptoms can include dizziness, incoordination, visual changes, emotional changes, tremors and convulsions.

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,

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8. HEALTH HAZARD DATA (continued)

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.

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.

Ingestion may cause:

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

Aspiration Pneumonitis: signs/symptoms can include coughing,
difficulty breathing, wheezing, coughing up blood and pneumonia,
which can be fatal.

CANCER:

WARNING: Contains a chemical which can cause cancer. (100-41-4) (IARC
possible human carcinogen 2B)

WARNING: Contains a chemical which can cause cancer. (71-43-2) (NTP
human carcinogen, IARC human carcinogen 1, OSHA listed carcinogen,
ACGIH suspected human carcinogen A2, Calif. Proposition 65)

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WARNING: Contains a chemical which can cause birth defects. (108-88-
3)

WARNING: Contains a chemical which can cause birth defects and male
reproductive harm. (71-43-2)

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE August 08, 2001 ISSUE

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