

MATERIAL SAFETY 3M  
 DATA SHEET 3M Center  
 St. Paul, Minnesota  
 55144-1000  
 1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: AUTOMOTIVE AFTERMARKET  
 TRADE NAME:

3M(TM) Throttle Plate and Intake Cleaner; PN 08866  
 ID NUMBER/U.P.C.:  
 60-9800-3837-0 00-51131-16386-7  
 ISSUED: April 16, 2001  
 SUPERSEDES: INITIAL ISSUE  
 DOCUMENT: 16-1188-8

1. INGREDIENT	C.A.S. NO.	PERCENT
XYLENE.....	1330-20-7	30.0 - 60.0
LIQUEFIED PETROLEUM GAS.....	68476-85-7	15.0 - 30.0
METHYL ETHYL KETONE.....	78-93-3	5.0 - 10.0
2-BUTOXYETHANOL.....	111-76-2	1.0 - 5.0
ETHYL ACETATE.....	141-78-6	1.0 - 5.0
DIACETONE ALCOHOL.....	123-42-2	1.0 - 5.0
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	64742-88-7	1.0 - 5.0

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:

- XYLENE
- METHYL ETHYL KETONE
- 2-BUTOXYETHANOL

2. PHYSICAL DATA	
BOILING POINT:.....	93 - 351 F
VAPOR PRESSURE:.....	65 - 70 Air=1
VAPOR DENSITY:.....	> 1 Air=1
EVAPORATION RATE:.....	> 1 Water=1
SOLUBILITY IN WATER:.....	neglig.
SPECIFIC GRAVITY:.....	0.76 Water=1
PERCENT VOLATILE:.....	96 %
pH:.....	N/A
VISCOSITY:.....	N/A
MELTING POINT:.....	N/A

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

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2. PHYSICAL DATA (continued)  
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APPEARANCE AND ODOR:

Liquid, lacquer appearance, solvent odor

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... -150 F  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... N/A  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical

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.

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

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Acids, Strong Bases, Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Cover with inorganic absorbent material. Cover spill area with Light Water Brand or other AFFF foam. (For further information on AFFF foam usage, contact 3M Fire Protection Systems.) Collect using non-sparking tools. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in an approved metal container. Seal the container.

Modified environmental section. 01/15/01 RMR.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator.

ENVIRONMENTAL DATA:

Toxic to aquatic organisms. Non or slowly biodegradable. (Predicted by BIOWIN estimation program)

REGULATORY INFORMATION:

Volatile Organic Compounds: 96 % by wt.  
Volatile Organic Compounds: 6 lb/gal calculated.  
Volatile Organic Compounds: 729 gms/liter calculated per SCAQMD rule 443.1.  
VOC Less H2O & Exempt Solvents: 729 gms/liter calculated per SCAQMD rule 443.1.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable) D035 (Methyl ethyl ketone)

EPCRA HAZARD CLASS:

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

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6. SUGGESTED FIRST AID  
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EYE CONTACT:

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

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6. SUGGESTED FIRST AID (continued)  
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SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention. Destroy or properly dispose of contaminated shoes.

INHALATION:

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

IF SWALLOWED:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

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

SKIN PROTECTION:

Avoid prolonged or repeated 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.

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. Do not ingest.

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 7. PRECAUTIONARY INFORMATION (continued)  
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RECOMMENDED STORAGE:

Store in a cool place. Store away from acids. Store away from heat. Store at temperatures below 120 degrees F (49 degrees C). Store out 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. Prevent all sources of ignition. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. No smoking while handling this material. Do not heat under confinement. Avoid static discharge.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
XYLENE.....	100	PPM	TWA	ACGIH	
XYLENE.....	150	PPM	STEL	ACGIH	
XYLENE.....	100	PPM	TWA	OSHA	
XYLENE.....	150	PPM	STEL	OSHA	
LIQUEFIED PETROLEUM GAS.....	1000	PPM	TWA	ACGIH	
LIQUEFIED PETROLEUM GAS.....	1000	PPM	TWA	OSHA	
METHYL ETHYL KETONE.....	200	PPM	TWA	OSHA	
METHYL ETHYL KETONE.....	300	PPM	STEL	OSHA	
METHYL ETHYL KETONE.....	200	PPM	TWA	ACGIH	
METHYL ETHYL KETONE.....	300	PPM	STEL	ACGIH	
2-BUTOXYETHANOL.....	25	PPM	TWA	ACGIH	Y
2-BUTOXYETHANOL.....	25	PPM	TWA	OSHAV	Y
	OSHA VACATED PEL				
2-BUTOXYETHANOL.....	50	PPM	TWA	OSHA	Y
ETHYL ACETATE.....	400	PPM	TWA	ACGIH	
ETHYL ACETATE.....	400	PPM	TWA	OSHA	
DIACETONE ALCOHOL.....	50	PPM	TWA	ACGIH	
DIACETONE ALCOHOL.....	50	PPM	TWA	OSHA	
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	100	PPM	TWA	CMRG	

\* 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
- 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

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
regulatory authority.					

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

Prolonged or repeated exposure may cause:

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.

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

Single overexposure, above recommended guidelines, may cause:

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

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:

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,

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8. HEALTH HAZARD DATA (continued)  
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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 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.

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

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