

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

00-14
 27

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES

TRADE NAME:

3M Choke and Carburetor Cleaner Part No. 08904

3M I.D. NUMBER: CS-0406-1779-0 62-4900-9909-0 62-4974-4909-0 62-4974-9909-5

ISSUED: APRIL 12, 1990

SUPERSEDES: DECEMBER 4, 1989

DOCUMENT: 10-8577-8

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE	UNIT	LIMITS TYPE	AUTH
toluene	108-88-3	30.0 - 40.0	100	ppm	TWA	ACGIH
xylene isomers	1330-20-7	10.0 - 20.0	100	ppm	TWA	ACGIH
diacetone alcohol	123-42-2	10.0 - 20.0	50	ppm	TWA	ACGIH
methyl alcohol	67-56-1	10.0 - 20.0	200	ppm	TWA	ACGIH
propane	74-98-6	10.0 - 20.0	1000	ppm	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

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
- xylene isomers
- methyl alcohol

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
VAPOR PRESSURE:..... Compressed gas
VAPOR DENSITY:..... ca. 3.00 Air = 1
EVAPORATION RATE:..... > 5.00 Ether = 1
SOLUBILITY IN WATER:..... Slight
SP. GRAVITY:..... N/A
PERCENT VOLATILE:..... 100.00 %
VOLATILE ORGANICS:..... 79.00 gm/l
pH:..... N/D
VISCOSITY:..... N/A
APPEARANCE AND ODOR: Clear liquid -- heavy solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
FLAMMABLE LIMITS - LEL:..... 1.27 %
FLAMMABLE LIMITS - UEL:..... 36.50 %
AUTOIGNITION TEMPERATURE:... N/D
EXTINGUISHING MEDIA:
 CO2, 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:
 Extremely Flammable. Treat as pressurized container. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.
NFPA-HAZARD-CODES: HEALTH 3 FIRE 4 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 **CONDITIONS TO AVOID:** Do not store at temperatures above 120F.
Do not puncture or incinerate.
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:

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

RECOMMENDED DISPOSAL:

Incinerate absorbed and partially full cans after mixing with flammable material in a licensed hazardous waste facility. The facility must be capable of handling aerosol cans. Do not puncture or burn cans in a household incinerator. Dispose of empty cans in a sanitary landfill. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste No.: D001-(Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 790 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 790 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:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

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 fresh air. Call a physician.

IF SWALLOWED:

Do not induce vomiting. Immediately call a physician or poison control center.

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6. SUGGESTED FIRST AID (continued)

OTHER FIRST AID:
 NONE

7. PRECAUTIONARY INFORMATION

Keep away from heat, sparks, flame and other sources of ignition. The vapors released by the product can be ignited easily and burn explosively. Use only in areas with sufficient ventilation to maintain vapor and spray concentrations below recommended exposure limits. Avoid eye and skin contact; wear appropriate eye protection such as safety glasses or chemical goggles and impervious gloves. Avoid prolonged breathing vapors and spray (airborne product particles). Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing the product may be harmful or fatal. Do not puncture or incinerate container. Do not store at temperatures above 120F. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	
	VALUE	UNIT		
toluene	375	mg/m3	TWA	ACGIH
toluene	150	ppm	STEL	ACGIH
toluene	560	mg/m3	STEL	OSHA
toluene	100	ppm	TWA	OSHA
toluene	375	mg/m3	TWA	OSHA
toluene	150	ppm	STEL	OSHA
toluene	560	mg/m3	STEL	OSHA
xylene isomers	435	mg/m3	TWA	ACGIH
xylene isomers	150	ppm	STEL	ACGIH
xylene isomers	655	mg/m3	STEL	ACGIH
xylene isomers	100	ppm	TWA	OSHA
xylene isomers	435	mg/m3	TWA	OSHA
xylene isomers	150	ppm	STEL	OSHA
xylene isomers	655	mg/m3	STEL	OSHA
diacetone alcohol	240	mg/m3	TWA	ACGIH
diacetone alcohol	50	ppm	TWA	OSHA
diacetone alcohol	240	mg/m3	TWA	OSHA
methyl alcohol	260	mg/m3	TWA	ACGIH
methyl alcohol	250	ppm	STEL	ACGIH
methyl alcohol	310	mg/m3	STEL	ACGIH
methyl alcohol	200	ppm	TWA	OSHA
methyl alcohol	260	mg/m3	TWA	OSHA
methyl alcohol	250	ppm	STEL	OSHA
methyl alcohol	310	mg/m3	STEL	OSHA
propane	1800	mg/m3	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

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8. HEALTH HAZARD DATA

EYE CONTACT: Spray particulate and vapor may cause eye irritation.

SKIN CONTACT: May cause skin irritation.

INHALATION: Overexposures to vapor concentrations exceeding recommended exposure limits may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Repeated or extreme overexposure to toluene vapors may cause nervous system damage. Overexposure to xylene vapors may cause heart, liver, kidney and blood damage based on animal studies. Methyl alcohol (methanol) vapor overexposure may cause respiratory system irritation, nervous system impairment and vision effects, including blindness. Methyl alcohol (methanol) may also cause blood changes, paralysis, nervous system and brain damage, and lung, liver, kidney and spleen effects. Overexposure to diacetone alcohol vapors may cause blood disorders and kidney damage. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, and on extreme overexposure, unconsciousness.

INGESTION: Not an anticipated route of exposure due to the aerosol nature of the product. Harmful or fatal and may cause blindness if swallowed. Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Solvent aspiration into the lungs as a result of vomiting may cause lung damage and may ultimately be fatal.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE DECEMBER 4, 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 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.