

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

00-14  
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MATERIAL SAFETY  
 DATA SHEET



**DIVISION:** AUTOMOTIVE TRADES  
**TRADE NAME:**  
 3M Engine Degreaser PART NO. 08965  
**3M I.D. NUMBER:** 62-4628-4919-1 62-4900-9909-0

**ISSUED:** APRIL 12, 1990  
**SUPERSEDES:** AUGUST 8, 1989  
**DOCUMENT:** 11-0921-4

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
petroleum distillate	64742-95-6	50.0 - 60.0	50	ppm	TWA	CMRG
toluene	108-88-3	10.0 - 20.0	100	ppm	TWA	ACGIH
nonylphenol surfactant	68412-54-4	10.0 - 20.0	NONE	NONE	NONE	NONE
isobutane	75-28-5	1.0 - 10.0	NONE	NONE	NONE	NONE
propane	74-98-6	1.0 - 10.0	1000	ppm	TWA	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- 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:**..... Compressed gas  
**VAPOR PRESSURE:**..... 47.0000-57.0000 mmHg  
 psig  
**VAPOR DENSITY:** ..... 3.14 Air = 1  
**EVAPORATION RATE:**..... 4.50 Ether = 1  
**SOLUBILITY IN WATER:** ..... Nil  
**SP. GRAVITY:**..... 0.800 Water = 1  
**PERCENT VOLATILE:** ..... 90.00 %  
**VOLATILE ORGANICS:** ..... 756.00 gm/l  
**pH:** ..... N/D  
**VISCOSITY:** ..... N/A - aerosol  
**APPEARANCE AND ODOR:** Clear dark amber, liquid

**3. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:**..... -50.00 F  
**FLAMMABLE LIMITS - LEL:** ..... 1.00 %  
**FLAMMABLE LIMITS - UEL:** ..... Flammable Gas  
**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 flammable pressurized container. Overheated, closed container adjacent to fire could explode due to internal pressure buildup.

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

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### 3. FIRE AND EXPLOSION HAZARD DATA (continued)

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NFPA-HAZARD-CODES: HEALTH 2 FIRE 4 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

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### 4. REACTIVITY DATA

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STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
N/A  
CONDITIONS TO AVOID: Do not puncture or incinerate container. Do not store at temperatures above 120F.  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
CO, CO2 and HCl when subjected to open flame.

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### 5. ENVIRONMENTAL INFORMATION

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#### SPILL RESPONSE:

If any cans rupture, observe precautions from other sections. Extinguish all ignition sources and ventilate area. Use inorganic absorbent to absorb spill, place absorbed product and partially full cans in a U.S. Dept. of Transportation approved metal container and seal.

#### RECOMMENDED DISPOSAL:

Incinerate absorbed product and partially full cans in a hazardous waste facility. Dispose of empty cans in a sanitary landfill or incinerate in a commercial facility capable of handling aerosol cans. Consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

#### ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):  
Maximum VOC = 756 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 756 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

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### 6. SUGGESTED FIRST AID

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#### EYE CONTACT:

Flush eyes with large amounts of water for at least 10 minutes. Call a physician.

#### SKIN CONTACT:

Thoroughly wash affected area with soap and water.

#### INHALATION:

Move person to uncontaminated air. Call a physician.

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**6. SUGGESTED FIRST AID (continued)**

**IF SWALLOWED:**

Do not induce vomiting. Call a physician or poison control center.

**OTHER FIRST AID:**

NONE

**7. PRECAUTIONARY INFORMATION**

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep product and its vapors away from heat, sparks, flame and other sources of ignition. The vapors released by this product can easily be ignited and burn explosively. Do not take internally. Use only in areas with sufficient ventilation to maintain vapor spray concentrations below recommended exposure limits. Avoid prolonged breathing of vapor and mist. Provide local exhaust ventilation if necessary. Prevent eye and skin contact; wear chemical safety glasses and impervious gloves when handling product. Use only as directed. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Do not puncture or incinerate container. Do not store product at temperatures above 120F or below 32F. KEEP OUT OF THE REACH OF CHILDREN.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
petroleum distillate	245	mg/m3	TWA	CMRG
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
- CMRG: Chemical Manufacture Recommended Guidelines

**8. HEALTH HAZARD DATA**

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

**SKIN CONTACT:** Prolonged and repeated skin contact may defat skin leading to irritation and dermatitis.

**INHALATION:** Vapor or spray particulate overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Repeated or extreme overexposure to toluene

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**8. HEALTH HAZARD DATA (continued)**

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vapors may cause nervous system effects. Symptoms of overexposure may include dizziness, headache, weakness, fatigue, and on extreme overexposure, unconsciousness.

INGESTION: Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting, and in the extreme may be fatal.

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**SECTION CHANGE DATES**

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HEADING	SECTION CHANGED SINCE	AUGUST 8, 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.