

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 DIVISION  
 TRADE NAME:  
 3M Spray Belt Dressing P/N 08947  
 3M I.D. NUMBER: 62-4611-4809-0 62-4900-9909-0

ISSUED: MAY 21, 1990  
 SUPERSEDES: APRIL 12, 1990  
 DOCUMENT: 10-8597-6

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
n-hexane	110-54-3	70.0 - 80.0	50	ppm	TWA	ACGIH
isobutane	75-28-5	5.0 - 15.0	NONE	NONE	NONE	NONE
propane	74-98-6	5.0 - 15.0	1000	ppm	TWA	OSHA
silicone	7440-21-3	1.0 - 10.0	10	mg/m <sup>3</sup>	TWA	ACGIH
stearic acid	57-11-4	1.0 - 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

2. PHYSICAL DATA

BOILING POINT:..... Compressed Gas  
 VAPOR PRESSURE:..... Compressed Gas  
 VAPOR DENSITY:..... 2.97 Air = 1  
 EVAPORATION RATE:..... 1.90 Ether = 1  
 SOLUBILITY IN WATER:..... Negligible  
 SP. GRAVITY:..... N/A  
 PERCENT VOLATILE:..... 95.00 %  
 VOLATILE ORGANICS:..... 627.00 gm/l  
 pH:..... N/D  
 VISCOSITY:..... N/A  
 APPEARANCE AND ODOR: Clear, liquid, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F  
 FLAMMABLE LIMITS - LEL:..... 1.20 %  
 FLAMMABLE LIMITS - UEL:..... 6.90 %  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CO<sub>2</sub>, 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 a 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

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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 smoke particles when subjected to excessive heat or flame.

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#### 5. ENVIRONMENTAL INFORMATION

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**SPILL RESPONSE:**

If cans rupture: Extinguish all ignition sources. Ventilate area. Observe precautions from other sections. Contain 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 permitted hazardous waste facility. Do not puncture or burn cans in 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 = 627 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 627 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:**

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

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

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. Extinguish and do not ignite any flame in the immediate work area. The vapors released by this product can easily be ignited and burn explosively. Avoid prolonged breathing of vapor and mist (spray particulate). Use only in areas with sufficient ventilation to maintain vapor/spray concentrations below recommended exposure limits. Do not use in confined areas or areas with little or no air movement. Local exhaust ventilation should be used if large quantities are sprayed in a short period of time. Prevent eye and skin contact. Wear safety glasses and impervious gloves when handling product. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing product may be fatal. Do not store at temperatures above 120F. Do not puncture or burn container in household incinerator. Keep out of the reach of children.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	---- EXPOSURE LIMITS ----			
	VALUE	UNIT	TYPE	AUTH
n-hexane	176	mg/m3	TWA	ACGIH
n-hexane	50	ppm	TWA	OSHA
n-hexane	180	mg/m3	TWA	OSHA
propane	1800	mg/m3	TWA	OSHA
silicone	10	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 upon direct contact.

**SKIN CONTACT:** Prolonged or repeated skin contact may defat skin leading to irritation and dermatitis. n-hexane may be absorbed through the skin in harmful amounts.

**INHALATION:** Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Symptoms may include weakness, dizziness, headache, nausea and facial numbness. There are reported instances where exposure to n-hexane vapor concentrations in excess of 800 ppm caused peripheral nerve damage. Gross overexposure such as is caused by intentional inhalation of concentrated vapors in a confined vessel

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

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can result in serious damage including asphyxiation and death.

INGESTION: Accidental ingestion is unlikely from an aerosol container. Intentional concentration and swallowing the liquid product may cause severe digestive system irritation. Symptoms may include nausea, diarrhea and vomiting. Solvent aspiration into lungs as a result of vomiting may cause lung damage, which can be fatal.

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**SECTION CHANGE DATES**

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HEADING	SECTION CHANGED SINCE	APRIL 12, 1990 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.