

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

02-51  
 2382

MATERIAL SAFETY  
 DATA SHEET



**DIVISION:** AUTOMOTIVE TRADES DIVISION  
**TRADE NAME:**  
 3M WINDO-WELD Butyl Primer, P/N 08643  
**3M I.D. NUMBER:** 62-5880-5501-2

**ISSUED:** JANUARY 7, 1991  
**SUPERSEDES:** NOVEMBER 20, 1990  
**DOCUMENT:** 10-5353-7

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
petroleum distillate	64742-89-8	20.0 - 40.0	NONE	NONE	NONE	NONE
natural rubber	9006-04-6	10.0 - 20.0	NONE	NONE	NONE	NONE
tall-oil rosin	8052-10-6	10.0 - 20.0	NONE	NONE	NONE	NONE
heptane	142-82-5	5.0 - 15.0	400	ppm	TWA	ACGIH
methylcyclohexane	108-87-2	5.0 - 15.0	400	ppm	TWA	ACGIH
toluene	108-88-3	5.0 - 15.0	100	ppm	TWA	ACGIH
vm&p naphtha	8032-32-4	5.0 - 15.0	300	ppm	TWA	ACGIH
carbon black	1333-86-4	1.0 - 5.0	3.5	mg/m <sup>3</sup>	TWA	ACGIH
cyclohexane	110-82-7	< 2.0	300	ppm	TWA	ACGIH

**SOURCE OF EXPOSURE LIMIT DATA:**  
 - ACGIH: American Conference of Governmental Industrial Hygienists  
 - 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
- cyclohexane

**2. PHYSICAL DATA**

**BOILING POINT:**..... 200.00 F  
 (petroleum distillate)  
**VAPOR PRESSURE:**..... 80.0000 mmHg  
 @ 100F  
**VAPOR DENSITY:** ..... 2.50 Air = 1  
**EVAPORATION RATE:**..... 4.50 Ether = 1  
**SOLUBILITY IN WATER:** ..... 0.1-1.0 %  
**SP. GRAVITY:**..... 0.820 Water = 1  
**PERCENT VOLATILE:** ..... 60.00-65.00 %  
**VOLATILE ORGANICS:** ..... 506.43 gm/l  
 G VOC/(L-VW-VES) 509.15  
**pH:** ..... N/D  
**VISCOSITY:** ..... ca. 1500.0 CPS  
**APPEARANCE AND ODOR:** Black, liquid, characteristic petroleum odor.

**3. FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:**..... 10.00 F  
**FLAMMABLE LIMITS - LEL:** ..... 1.00 %  
**FLAMMABLE LIMITS - UEL:** ..... 7.00 %  
**AUTOIGNITION TEMPERATURE:** ... N/D  
**EXTINGUISHING MEDIA:**  
 CO<sub>2</sub>, foam, dry chemical  
**SPECIAL FIRE FIGHTING PROCEDURES:**  
 Fire fighters should wear self-contained breathing apparatus when

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

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

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fighting fires involving this material.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Extremely flammable. Overheated, closed containers adjacent to a fire could explode due to internal pressure buildup.  
**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 TO AVOID:**  
N/A  
**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
Carbon monoxide, carbon dioxide and smoke particles when subjected to excessive heat or flame.

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### 5. ENVIRONMENTAL INFORMATION

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**SPILL RESPONSE:**  
Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain spill. Cover with absorbent material as needed. Collect spilled material using non-sparking tools. Place in a U.S. Dept. of Transportation - approved metal container, and seal.

**RECOMMENDED DISPOSAL:**  
Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

**ENVIRONMENTAL DATA:**  
N/D

**SARA HAZARD CLASS:**  
**FIRE HAZARD:** Yes **PRESSURE:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

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### 6. SUGGESTED FIRST AID

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**EYE CONTACT:**  
Immediately flush eyes with plenty of water. Call a physician.

**SKIN CONTACT:**  
Wash with soap and water.

**INHALATION:**  
Remove person to fresh air. If irritation persists, call a physician.

**IF SWALLOWED:**  
Call a physician immediately. Only induce vomiting at the

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

instructions of a physician. Never give anything by mouth to an unconscious person.

**OTHER FIRST AID:**  
 NONE

**7. PRECAUTIONARY INFORMATION**

Keep away from heat, sparks, flame and other sources of ignition. The vapors released by this product can be ignited easily. Avoid breathing vapors. Use only in areas with sufficient ventilation to prevent vapor buildup. Avoid eye and skin contact. Wear eye (e.g., chemical goggles or safety glasses) and skin (impervious gloves) protection when handling product. Keep container closed when not in use. Keep out of the reach of children.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
heptane	1640	mg/m3	TWA	ACGIH
heptane	500	ppm	STEL	ACGIH
heptane	2050	mg/m3	STEL	ACGIH
heptane	400	ppm	TWA	OSHA
heptane	1600	mg/m3	TWA	OSHA
heptane	500	ppm	STEL	OSHA
heptane	2000	mg/m3	STEL	OSHA
methylcyclohexane	1610	mg/m3	TWA	ACGIH
methylcyclohexane	400	ppm	TWA	OSHA
methylcyclohexane	1600	mg/m3	TWA	OSHA
toluene	377	mg/m3	TWA	ACGIH
toluene	150	ppm	STEL	ACGIH
toluene	565	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
vm&p naphtha	100	ppm	TWA	CMRG
vm&p naphtha	570	mg/m3	TWA	CMRG
vm&p naphtha	1370	mg/m3	TWA	ACGIH
vm&p naphtha	300	ppm	TWA	OSHA
vm&p naphtha	1350	mg/m3	TWA	OSHA
carbon black	3.5	mg/m3	TWA	OSHA
cyclohexane	1030	mg/m3	TWA	ACGIH
cyclohexane	300	ppm	TWA	OSHA
cyclohexane	1050	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

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**8. HEALTH HAZARD DATA**

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**EYE CONTACT:** Liquid and vapor may cause eye irritation.

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

**INHALATION:** Overexposure to petroleum distillate may cause upper respiratory tract irritation and central nervous system depression. Repeated or extreme overexposure may cause nervous system damage. Symptoms of overexposure may include headache, dizziness, nausea and vomiting.

**INGESTION:** May cause digestive system irritation with nausea, vomiting, diarrhea and temporary nervous system impairment. Solvent aspiration into the 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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**FIRE & EXP. DATA SECTION CHANGED SINCE NOVEMBER 20, 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.