

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

*Bill Smith*

01-82  
 1221

MATERIAL SAFETY  
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION

UCAR FILE #

TRADE NAME:

3M UNDERSEAL Rubberized Undercoating P/N 08883/08884  
 3M I.D. NUMBER: 62-5814-3709-2 62-5814-4919-6

MSDS 00098

ISSUED: MARCH 4, 1991  
 SUPERSEDES: FEBRUARY 20, 1991  
 DOCUMENT: 10-0194-0

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS TYPE AUTH
n-Hexane	110-54-3	15.0 - 25.0	50 ppm	TWA ACGIH
Polychloroprene-Curatives-Wood Rosin Derivatives (NJ Trade Secret Registry No. 04499600-5492P) ++	T.S.	15.0 - 25.0	NONE NONE	NONE NONE
Talc	14807-96-6	15.0 - 25.0	2 mg/m <sup>3</sup>	TWA ACGIH
Propane	74-98-6	10.0 - 20.0	1000 ppm	TWA OSHA
Other Hexane Isomers	None	10.0 - 20.0	NONE NONE	NONE NONE
Asphalt	8052-42-4	1.0 - 10.0	5 mg/m <sup>3</sup>	TWA ACGIH
Methylcyclopentane	96-37-7	1.0 - 10.0	500 ppm	TWA ACGIH
Carbon Black	1333-86-4	1.0 - 3.0	3.5 mg/m <sup>3</sup>	TWA ACGIH
Cyclohexane	110-82-7	0.0 - 0.5	300 ppm	TWA ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

NOTE: ++ synthetic polymers, resin, accelerators, filler and antistatic agent.

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:

- Asphalt
- Cyclohexane

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:..... Nil  
 SP. GRAVITY:..... < 1.000 Water = 1  
 PERCENT VOLATILE:..... ca. 62.00 %  
 VOLATILE ORGANICS:..... 453.60 gm/l  
 pH:..... N/A  
 VISCOSITY:..... N/A  
 APPEARANCE AND ODOR: Black, 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

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

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**3M**

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

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**EXTINGUISHING MEDIA:**

CO2, foam, dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES:**

Treat as pressurized container. Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material. Keep stacked containers, adjacent to fire, cool.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Extremely Flammable. Treat as a pressurized container. Overheated, closed containers adjacent to fire could explode due to pressure buildup.

**NFPA-HAZARD-CODES: HEALTH 3 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 store at temperatures above 120F.**

**HAZARDOUS POLYMERIZATION: Will Not Occur**

**HAZARDOUS DECOMPOSITION PRODUCTS:**

CO, CO2, HCl and possible traces of chlorine and phosgene 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 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:**

NONE

**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 immediately with large amounts of water for at least 10 minutes

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6. SUGGESTED FIRST AID (continued)

and call a physician.

**SKIN CONTACT:**

Wash affected area with soap and water.

**INHALATION:**

Provide fresh air. If breathing is difficult provide oxygen and call a physician.

**IF SWALLOWED:**

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

**OTHER FIRST AID:**

NONE

7. PRECAUTIONARY INFORMATION

Keep product and its vapors away from heat, sparks, flames and all other sources of ignition. Extinguish and do not ignite any flame in the immediate work area. The vapors released by the product can be ignited easily and burn explosively. Avoid prolonged breathing of vapors and mist. Use only in areas with sufficient ventilation to maintain vapor and mist concentrations below recommended exposure limits. Use local exhaust ventilation if necessary. Avoid eye and skin contact. Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Do not puncture or incinerate. Do not store at temperatures above 120F. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
n-Hexane	176	mg/m <sup>3</sup>	TWA	ACGIH
n-Hexane	50	ppm	TWA	OSHA
n-Hexane	180	mg/m <sup>3</sup>	TWA	OSHA
Talc	2	mg/m <sup>3</sup>	TWA	OSHA
Propane	1800	mg/m <sup>3</sup>	TWA	OSHA
Methylcyclopentane	1760	mg/m <sup>3</sup>	TWA	ACGIH
Methylcyclopentane	1000	ppm	STEL	ACGIH
Methylcyclopentane	3500	mg/m <sup>3</sup>	STEL	ACGIH
Methylcyclopentane	500	ppm	TWA	OSHA
Methylcyclopentane	1800	mg/m <sup>3</sup>	TWA	OSHA
Methylcyclopentane	1000	ppm	STEL	OSHA
Methylcyclopentane	3600	mg/m <sup>3</sup>	STEL	OSHA
Carbon Black	3.5	mg/m <sup>3</sup>	TWA	OSHA
Cyclohexane	1030	mg/m <sup>3</sup>	TWA	ACGIH
Cyclohexane	300	ppm	TWA	OSHA
Cyclohexane	1050	mg/m <sup>3</sup>	TWA	OSHA

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**7. PRECAUTIONARY INFORMATION (continued)**

**SOURCE OF EXPOSURE LIMIT DATA:**

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

**8. HEALTH HAZARD DATA**

**EYE CONTACT:** Spray and liquid may cause irritation.

**SKIN CONTACT:** Spray and liquid may cause irritation. Liquid may be absorbed through the skin.

**INHALATION:** Overexposures to vapor concentrations which exceed recommended exposure limits may cause respiratory tract irritation and temporary nervous system impairment. Symptoms include dizziness, fatigue, nausea, headache, facial numbness. Repeated or extreme overexposure to n-hexane vapors may cause nervous system damage.

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

**SECTION CHANGE DATES**

HEADING	SECTION CHANGED SINCE	FEBRUARY 20, 1991 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.