

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 Spray Penetrant PART NO. 08925  
 3M I.D. NUMBER: 62-4631-4919-5 62-4900-9909-0

ISSUED: APRIL 12, 1990  
 SUPERSEDES: AUGUST 8, 1989  
 DOCUMENT: 10-6244-7

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
mineral spirits	8052-41-3	30.0 - 40.0	100	ppm	TWA	ACGIH
PALE OIL - Vendor Trade Secret (V. T.S.)	V.T.S.	10.0 - 20.0	NONE	NONE	NONE	NONE
RED OIL - Vendor Trade Secret (V. T.S.)	V.T.S.	10.0 - 20.0	NONE	NONE	NONE	NONE
methylene chloride	75-09-2	1.0 - 10.0	50	ppm	TWA	ACGIH
propane	74-98-6	1.0 - 10.0	1000	ppm	TWA	OSHA
isobutane	75-28-5	1.0 - 10.0	NONE	NONE	NONE	NONE
GOLDEN BRIGHT STOCK - Vendor Trade Secret (V.T.S.)	V.T.S.	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

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:  
 methylene chloride

2. PHYSICAL DATA

BOILING POINT:..... Compressed Gas  
 VAPOR PRESSURE:..... Compressed Gas  
 VAPOR DENSITY: ..... > 1.00 Air = 1  
 EVAPORATION RATE:..... < 1.00 Ether = 1  
 SOLUBILITY IN WATER: ..... Very slight  
 SP. GRAVITY:..... < 1.000 Water = 1  
 PERCENT VOLATILE: ..... 62.00 %  
 VOLATILE ORGANICS: ..... 458.00 gm/l  
 pH: ..... N/D  
 VISCOSITY: ..... N/A  
 APPEARANCE AND ODOR: Thin black, liquid, fuel oil type odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F T.C.C.  
 (propellant)  
 FLAMMABLE LIMITS - LEL: ..... N/A  
 FLAMMABLE LIMITS - UEL: ..... Flammable Gas  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CO2, foam, dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 Treat as a pressurized container. Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving

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

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

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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 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, CO<sub>2</sub>, HCl and possible trace amounts 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 household incinerator. Dispose of empty cans in a sanitary landfill. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste Number: D001 (Ignitable) and F002 (Halogenated Solvents).

**ENVIRONMENTAL DATA:**  
Volatile Organic Compound (VOC):  
Maximum VOC = 458 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 478 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:**  
Immediately flush eyes with plenty of water for at least 10 minutes.

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

Call a physician.

**SKIN CONTACT:**

Wash affected area with soap and water.

**INHALATION:**

Remove to fresh air. Call a physician if breathing difficulties persist.

**IF SWALLOWED:**

DO NOT induce vomiting. If conscious, give two glasses of milk or water to drink. Call a physician or poison control center.

**OTHER FIRST AID:**

NONE

**7. PRECAUTIONARY INFORMATION**

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep product and its vapor away from heat, sparks, open flame, and other sources of ignition. The vapors released by this product can be ignited easily and burn explosively. Avoid vapor contact with open flame, welding arcs or other high temperature sources which can cause vapor decomposition and harmful gases. Use in areas with sufficient ventilation to maintain vapor/spray concentrations below recommended exposure limits. Provide local exhaust ventilation if necessary. Avoid prolonged breathing of vapor and mist (spray particulate). Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. Keep out of the reach of children. Do not take internally. 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.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
mineral spirits	525	mg/m3	TWA	ACGIH
mineral spirits	100	ppm	TWA	OSHA
mineral spirits	525	mg/m3	TWA	OSHA
methylene chloride	175	mg/m3	TWA	ACGIH
methylene chloride	1000	NONE	NONE	OSHA
methylene chloride	500	ppm	TWA	OSHA
methylene chloride	2000	ppm	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

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**8. HEALTH HAZARD DATA**

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**EYE CONTACT:** May cause eye irritation such as stinging or burning sensation.

**SKIN CONTACT:** May cause skin irritation.

**INHALATION:** May cause irritation to the upper respiratory system. Intentional concentrating and inhaling the contents can be harmful or fatal.

**INGESTION:** May cause digestive system irritation. Intentional concentrating and swallowing can be harmful or fatal.

**NOTE:** Studies on rats and mice subjected to high vapor concentrations establish methylene chloride as an animal carcinogen. However, the Halogenated Solvents Industry Alliance (HSIA) recognized that the human body handles methylene chloride differently than mice and rats. Based on the metabolic differences, HSIA concluded that "Methylene chloride is very unlikely to cause cancer in humans."

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**SECTION CHANGE DATES**

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HEADING	SECTION CHANGED SINCE	AUGUST 8, 1989 ISSUE
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Abbreviations: N/D - Not Determined N/A - Not Applicable

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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.