

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

MATERIAL SAFETY  
DATA SHEET



DIVISION: HOME AND COMMERCIAL CARE DIVISION  
TRADE NAME:  
SCOTCHGARD FABRIC PROTECTOR (CAT. NO. 4101)

3M I.D. NUMBER: 70-0702-8488-3 70-0703-6800-9 70-0703-6801-7 70-0703-8499-8  
70-0703-8553-2 70-0703-8554-0 70-0703-8613-4 70-0703-8614-2  
70-0704-2068-5 70-0704-2182-4 70-0704-2184-0 70-0704-3372-0  
70-0704-3373-8 70-0704-3374-6 70-0704-3610-3

ISSUED: APRIL 16, 1992  
SUPERSEDES: FEBRUARY 16, 1992  
DOCUMENT: 11-5887-2

1. INGREDIENT	C.A.S. NO.	PERCENT		
NAPHTHOL SPIRITS .....	64742-48-9	90.0	-	95.0
CARBON DIOXIDE .....	124-38-9	2.0	-	5.0
HEPTANE .....	142-82-5	1.0	-	2.0
FLUOROALKYL POLYMER .....	TradeSecret	0.5	-	1.5
PETROLEUM DISTILLATE .....	8002-05-9	.1	-	.5
1,1,1-TRICHLOROETHANE .....	71-55-6			.1

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:  
1,1,1-TRICHLOROETHANE

2. PHYSICAL DATA

BOILING POINT:..... 74.00-345.00 F  
VAPOR PRESSURE:..... ca. 75.0000 mmHg  
VAPOR DENSITY: ..... 4.55-5.00 Air = 1  
EVAPORATION RATE:..... ca. 0.30 Butyl Acetate = 1  
SOLUBILITY IN WATER: ..... N/D  
SP. GRAVITY:..... ca. 0.800 gm/ml  
PERCENT VOLATILE: ..... 98.50-99.50 % by wt  
VOLATILE ORGANICS: ..... N/D  
VOC LESS H2O & EXEMPT SOLVENT ..... N/D  
pH: ..... N/A  
VISCOSITY: ..... N/D  
MELTING POINT..... N/D  
APPEARANCE AND ODOR: liquid, water - white, faint petroleum hydrocarbon odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... ca. 101.00 F T.O.C.  
FLAMMABLE LIMITS - LEL: ..... ca. 0.80 % by vol  
FLAMMABLE LIMITS - UEL: ..... ca. 13.00 % by vol  
AUTOIGNITION TEMPERATURE: ... ca. 525.00 F  
EXTINGUISHING MEDIA:  
Not determined  
SPECIAL FIRE FIGHTING PROCEDURES:  
Not determined  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Not determined  
NFPA-HAZARD-CODES: HEALTH 1 FIRE 2 REACTIVITY 0  
UNUSUAL REACTION HAZARD: none

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APRIL 16, 1992

PAGE: 2 of 4

#### 4. REACTIVITY DATA

**STABILITY:** Stable  
**INCOMPATIBILITY - MATERIALS TO AVOID:**  
AVOID PROLONGED CONTACT WITH WATER. AVOID STRONG OXIDIZING AGENTS.  
AVOID OPEN FLAMES, WELDING ARCS OR OTHER HIGH TEMPERATURE SOURCES  
WHICH INDUCE THERMAL DECOMPOSITION.  
**HAZARDOUS POLYMERIZATION:** Will Not Occur  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE FUMES, SMOKE, CARBON  
MONOXIDE, ALDEHYDES, HYDROGEN FLUORIDE.

#### 5. ENVIRONMENTAL INFORMATION

**SPILL RESPONSE:**  
OBSERVE PRECAUTIONS FROM OTHER SECTIONS. IF CANS RUPTURE: EXTINGUISH  
ALL IGNITION SOURCES. VENTILATE. COVER WITH ABSORBENT MATERIAL.  
COLLECT SPILLED MATERIAL. PLACE IN AN APPROVED METAL CONTAINER AND  
SEAL. FOR SINGLE CAN DISPOSAL, BLEED CAN OF PROPELLANT IN A WELL  
VENTILATED AREA.

**RECOMMENDED DISPOSAL:**  
MIX WITH FLAMMABLE MATERIAL AND INCINERATE IN A PERMITTED HAZARDOUS  
WASTE INCINERATOR. FACILITY MUST BE CAPABLE OF HANDLING AEROSOL  
CANS. COMBUSTION PRODUCTS WILL INCLUDE HF. SINCE REGULATIONS VARY,  
CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. U.S.  
EPA HAZARDOUS WASTE NO.: D001 (IGNITABLE)

**ENVIRONMENTAL DATA:**  
The descriptions of the 11-digit ID numbers for this MSDS are as  
follows: 70-0703-8553-2 is SGFS-10 24/10 oz. 4101, 70-0703-8554-0 is  
SGFS-13-BS 24/13 oz. 4101-BS, 70-0703-8499-8 is 1412 12/10 oz. twin  
pack, 70-0703-8613-4 is 4101-BS 12/13 oz., 70-0703-8614-2 is  
4101-BS-6 6/13 oz., 70-0303-6800-9 is 12/10 oz. 4101, and  
70-0703-6801-7 is 6/10 oz. 4106.

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

#### 6. SUGGESTED FIRST AID

**EYE CONTACT:**  
Flush with water for 10 minutes. Contact a nurse or physician if  
irritation persists.

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

**INHALATION:**  
Move to fresh air. If not breathing, give mouth-to-mouth  
resuscitation. If breathing is difficult, give oxygen. Contact a  
nurse or physician.

**IF SWALLOWED:**  
Do not induce vomiting. Immediately call a physician.

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PAGE: 3 of 4

**7. PRECAUTIONARY INFORMATION**

**OTHER PRECAUTIONARY INFORMATION:**  
AVOID EYE CONTACT. AVOID REPEATED OR PROLONGED SKIN CONTACT.  
MAINTAIN AIRBORNE CONCENTRATIONS WITHIN RECOMMENDED EXPOSURE LIMITS.

AVOID SOURCES OF IGNITION AND STATIC DISCHARGE. KEEP CONTAINERS  
CLOSED WHEN NOT IN USE.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
NAPHTHOL SPIRITS .....	100	ppm	TWA	3M	
NAPHTHOL SPIRITS .....	300	ppm	TWA	CMRG	
NAPHTHOL SPIRITS .....	1900	mg/m3	TWA	CMRG	
CARBON DIOXIDE .....	5000	ppm	TWA	ACGIH	
CARBON DIOXIDE .....	9000	mg/m3	TWA	ACGIH	
CARBON DIOXIDE .....	30000	ppm	STEL	ACGIH	
CARBON DIOXIDE .....	54000	mg/m3	STEL	ACGIH	
CARBON DIOXIDE .....	10000	ppm	TWA	OSHA	
CARBON DIOXIDE .....	18000	mg/m3	TWA	OSHA	
CARBON DIOXIDE .....	30000	ppm	STEL	OSHA	
CARBON DIOXIDE .....	54000	mg/m3	STEL	OSHA	
HEPTANE .....	400	ppm	TWA	ACGIH	
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	
HEPTANE .....	NONE	NONE	NONE	NONE	
FLUOROALKYL POLYMER .....	400	ppm	TWA	OSHA	
PETROLEUM DISTILLATE .....	1600	mg/m3	TWA	OSHA	
PETROLEUM DISTILLATE .....	350	ppm	TWA	ACGIH	
1,1,1-TRICHLOROETHANE .....	1910	mg/m3	TWA	ACGIH	
1,1,1-TRICHLOROETHANE .....	450	ppm	STEL	ACGIH	
1,1,1-TRICHLOROETHANE .....	2460	mg/m3	STEL	ACGIH	
1,1,1-TRICHLOROETHANE .....	350	ppm	TWA	OSHA	
1,1,1-TRICHLOROETHANE .....	1900	mg/m3	TWA	OSHA	
1,1,1-TRICHLOROETHANE .....	450	ppm	STEL	OSHA	
1,1,1-TRICHLOROETHANE .....	2450	mg/m3	STEL	OSHA	

\* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

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APRIL 16, 1992

PAGE: 4 of 4

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**8. HEALTH HAZARD DATA**

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**EYE CONTACT:**  
LIQUID CAUSES IRRITATION. VAPOR MAY CAUSE IRRITATION.

**SKIN CONTACT:**  
MAY CAUSE IRRITATION. MAY AGGREGATE EXISTING SKIN  
DISORDERS.

**INHALATION:**  
VAPOR MAY CAUSE RESPIRATORY SYSTEM IRRITATION AND  
TEMPORARY NERVOUS SYSTEM IMPAIRMENT. DELIBERATE MISUSE BY  
CONCENTRATION AND INHALATION OF VAPORS MAY CAUSE SUDDEN DEATH.  
SYMPTOMS OF OVEREXPOSURE MAY INCLUDE DIZZINESS, NAUSEA, HEADACHE,  
GIDDINESS, AND LOSS OF CONSCIOUSNESS. MAY CAUSE MILD LIVER AND  
KIDNEY INJURY AND HEART RHYTHM DISTURBANCES. OVEREXPOSURE MAY  
AGGREGATE EXISTING LIVER AND KIDNEY DISORDERS.

**IF SWALLOWED:**  
ASPIRATION INTO THE LUNG MAY CAUSE LUNG DAMAGE OR DEATH.  
MAY CAUSE DIGESTIVE SYSTEM IRRITATION. INGESTION OF LARGE AMOUNTS  
MAY CAUSE BURNS, NAUSEA, VOMITING, LOWERED BLOOD PRESSURE, HEART  
RHYTHM DISTURBANCES, AND MILD LIVER AND KIDNEY DAMAGE.

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**SECTION CHANGE DATES**

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PRECAUT. INFO. SECTION CHANGED SINCE FEBRUARY 16, 1992 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.