DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:
SCOTCHGARD(TM) BRAND PROTECTOR FOR FABRICS (CAT. NO. FC4101)

3M I.D. NUMBER: 70-0701-4043-2 70-0701-4050-7 70-0701-4079-6 70-0701-6111-5
70-0701-8495-0 98-0211-0262-3 98-0211-0498-3

ISSUED: FEBRUARY 15, 1992
SUPERSEDES: SEPTEMBER 30, 1991
DOCUMENT: 10-2520-4

1. INGREDIENT C.A.S. NO. PERCENT
1,1,1-TRICHLOROETHANE 71-55-6 90.0 - 94.0
CARBON DIOXIDE 124-38-9 3.0 - 4.0
METHYLAL 109-87-5 1.0 - 3.0
SEC-BUTYL ALCOHOL 78-92-2 < 2
TERT-BUTYL ALCOHOL 75-65-0 < 2
FLUORORELICEMICAL POLYMER TradeSecret 0.3 - 1.0
1,1,2-TRICHLORO-1,2,2-
TRIFLUOROTHANE 76-13-1 .1 - .5

NOTE: The trichloroethane is an aerosol grade.

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
SEC-BUTYL ALCOHOL
TERT-BUTYL ALCOHOL
1,1,2-TRICHLORO-1,2,2-
TRIFLUOROTHANE

2. PHYSICAL DATA
BOILING POINT: ca. 175.00 F
CA VAPOR PRESSURE: ca. 100,000 mmHg
MEASURED AT 20 DEGREES CENTIGRADE.
VAPO DENSITY: ca. 4.55 Air = 1
EVAPORATION RATE: ca. 0.40 Ether = 1
SOLUBILITY IN WATER: neglig.
SP. GRAVITY: ca. 1.300 Water = 1
PERCENT VOLATILE: ca. 99.50 % by wt
VOLATILE ORGANICS: N/D
VOC LESS H2O & EXEMPT SOLVENT N/D
pH: N/A
VISOSITY: N/D
MELTING POINT: N/D

APPEARANCE AND ODOR: liquid in aerosol can, colorless, chlorinated solvent odor.

3. FIRE AND EXPLOSION HAZARD DATA
FLASH POINT: N/A
FLAMMABLE LIMITS - LEL: ca. 6.30 %
FLAMMABLE LIMITS - UEL: ca. 15.50 %
AUTOIGNITION TEMPERATURE: N/D
EXTINGUISHING MEDIA: WATER, CO2, FOAM, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS A PRESSURIZED CONTAINER.

Abbreviations: N/D - Not Determined  N/A - Not Applicable
3. UNUSUAL FIRE AND EXPLOSION HAZARDS:
EXCESSIVE HEAT WILL CAUSE THE AEROSOL CANS TO EXPLODE.
NFPA-HAZARD-CODES: HEALTH 3 FIRE 1 REACTIVITY 1
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
NONE KNOWN
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
EXPOSURE TO TEMPERATURES IN EXCESS OF 600°F MAY PRODUCE TOXIC
CHLORINATED BY-PRODUCTS.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
COLLECT SPILLED MATERIAL, OBSERVING PRECAUTIONS FROM OTHER SECTIONS.
VENTILATE AREA. CLEAN UP RESIDUE. PLACE IN AN APPROVED METAL
CONTAINER AND SEAL.

RECOMMENDED DISPOSAL:
DO NOT PUNCTURE CANS OR BURN IN A HOUSEHOLD INCINERATOR. BURN IN A
HEAVY-DUTY INCINERATOR CAPABLE OF HANDLING AEROSOL CANS. COMBUSTION
PRODUCTS WILL INCLUDE HYDROCHLORIC ACID (HCL) AND HYDROFLUORIC ACID
(HF). FOR SINGLE CAN DISPOSAL, BLEED CAN OF PROPELLANT IN A WELL
VENTILATED AREA. EMPTY CAN MAY BE BURIED IN A SANITARY LANDFILL.
SINCE REGULATIONS MAY VARY CONSULT APPLICABLE REGULATIONS OR
AUTHORITIES BEFORE DISPOSAL. U.S. EPA HAZARDOUS WASTE NO.: NONE.

ENVIRONMENTAL DATA:
DATA NOT DETERMINED. PACKAGED UNITS: 3M ID Nos. 98-0211-0498-3 AND
98-0211-0377-9 DESCRIBE 12-OUNCE UNITS (FC-4101-12). 98-0211-0262-3
AND 70-0701-8495-0 DESCRIBE A 16-OUNCE UNIT (FC-4101-16).
70-0701-4079-6 DESCRIBES A 14-OUNCE UNIT (FC-4101-14). 70-0701-6111-5
DESCRIBES A 14-OUNCE UNIT (FC-4106). 70-0701-4063-2 DESCRIBES A
3-OUNCE UNIT (FC-4101-3). 70-0701-7426-6 DESCRIBES A 3-OUNCE UNIT
(FC-4103). 70-0701-4050-7 DESCRIBES A 14-OUNCE UNIT (CAT.NO. 1412).

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

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with plenty of water. Continue for 10 minutes
holding eyelids open. Call a physician.

SKIN CONTACT:
Wash affected area with soap and water.

Abbreviations: N/D = Not Determined N/A = Not Applicable
6. SUGGESTED FIRST AID (continued)

INHALATION:
If symptoms occur, remove person to fresh air. If symptoms continue, call a physician.

IF SWALLOWED:
NOT APPLICABLE.

OTHER FIRST AID:
NOTE TO PHYSICIANS: Exposure to 1,1,1-trichloroethane may increase myocardial irritability. Do not administer sympathomimetic drugs (i.e., adrenaline) unless absolutely necessary. No specific antidote for 1,1,1-trichloroethane. Supportive care. Treatment based on judgement of the physician in response to the patient.

7. PRECAUTIONARY INFORMATION

OTHER PRECAUTIONARY INFORMATION:
DANGER: Vapor and/or airborne mist may be harmful. Avoid breathing vapors. Use only as directed. Intentional misuse by deliberately concentrating and inhaling or swallowing contents can be harmful or fatal. Product use without ventilation in a closed area may also be harmful or fatal. Use only in areas adequately ventilated to remove vapors and prevent vapor buildup. Maintain cross ventilation through use of fans and opening all doors and windows until the article is dry. Do not use in small rooms, bathrooms or closets. Use outdoors where possible.

If application requires more than one can, wait sixty (60) minutes between spraying each can. Do not spray into eyes, mouth, or onto skin. Keep spray and vapors away from heat sources and open flames such as ovens, furnaces, stoves and dryers when in operation. Keep small children and pets out of area until treatment has thoroughly dried. KEEP OUT OF REACH OF CHILDREN. NOTE: Once the product has dried, these warnings do not apply.

Do not puncture, incinerate or store above 120 degrees Fahrenheit (49 degrees Celsius).

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<th>TYPE</th>
<th>AUTH</th>
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Abbreviations: N/D - Not Determined  N/A - Not Applicable
### EXPOSURE LIMITS

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</tbody>
</table>

*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.

Abbreviations: N/D - Not Determined  N/A - Not Applicable
7. PRECAUTIONARY INFORMATION (CONTINUED)

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:
ANIMAL EYE IRRITATION STUDIES INDICATE THAT PRODUCT IS
PRACTICALLY NON-IRRITATING TO THE EYES OF LABORATORY TEST ANIMALS.

SKIN CONTACT:
PRODUCT WAS FOUND TO BE NEITHER IRRITATING NOR
SENSITIZING TO SKIN OF LABORATORY TEST ANIMALS.

INHALATION:
Overexposure to vapor or spray particles may be harmful.
Symptoms of overexposure may include respiratory system irritation
and temporary nervous system impairment such as dizziness, nausea,
headache, giddiness and loss of consciousness. May cause mild liver
and kidney injury and heart rhythm disturbances. Deliberate misuse
by concentration and inhalation of vapors may be fatal / cause death.

IF SWALLOWED:
PRODUCT IS PRACTICALLY NON-TOXIC ORALLY.

SECTION CHANGE DATES

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

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.