

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

MATERIAL SAFETY
DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS

TRADE NAME:

SCOTCH Premium Contact Cleaner 1613

3M I.D. NUMBER: 62-4940-2925-9 62-4940-4725-1 62-4940-5025-5 78-8035-6691-4

ISSUED: APRIL 12, 1989

SUPERSEDES: JANUARY 27, 1989

DOCUMENT: 10-5248-9

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AU
trichlorotrifluoroethane	76-13-1	90.0 - 100.0	1000	ppm	TWA	ACC
carbon dioxide	124-38-9	1.0 - 10.0	5000	ppm	TWA	ACC

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORT REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

trichlorotrifluoroethane

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
VAPOR PRESSURE:..... Compressed gas
VAPOR DENSITY:..... N/A
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... Insoluble
SP. GRAVITY:..... N/A
PERCENT VOLATILE:..... 100.00 %
VOLATILE ORGANICS:..... 0.00 gm/l
pH:..... N/A
VISCOSITY:..... ca. 100.0 CPS
APPEARANCE AND ODOR: Clear, liquid

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... Non-flammable
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE: ... N/D

EXTINGUISHING MEDIA:

Non-flammable.

SPECIAL FIRE FIGHTING PROCEDURES:

Treat as pressurized container. Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Non-flammable propellant. Treat as pressurized container. Overheated, closed containers adjacent to fire could explode due to pressure buildup.

NFPA-HAZARD-CODES: HEALTH 3 FIRE 1 REACTIVITY 0

UNUSUAL REACTION HAZARD: None

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4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

CONDITIONS TO AVOID: Do not puncture or incinerate. Do not store at temperatures above 120F.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition of vapors may produce HF and other highly toxic gases.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions in all sections. If any cans rupture, ventilate spill area to dissipate vapors before collecting cans in sturdy container. A U.S. Dept. of Transportation approved container is preferred.

RECOMMENDED DISPOSAL:

Do not puncture or burn cans in household incinerator. Incinerate in permitted hazardous waste facility that can handle aerosol cans safely. If incinerated, more than 99% of the hydrogen chloride in exhaust gas should be removed. Empty cans may be disposed in a sanitary landfill or commercial incinerator in accordance with local and current U.S. Environmental Protection Agency regulations.

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):

Maximum VOC = 0.

Maximum VOC minus Water minus Exempt Solvents = 0.

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 10 minutes and call a physician.

SKIN CONTACT:

Wash with soap and water.

INHALATION:

Provide fresh air.

IF SWALLOWED:

Not expected. Call a physician.

OTHER FIRST AID:

NONE

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7. PRECAUTIONARY INFORMATION

Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor buildup. Avoid breathing vapor and overspray (airborne product particles). Avoid vapor contact with open flame, welding arcs or other high temperature sources which can cause vapor decomposition and harmful gases. Avoid contact with eyes and skin. Keep out of reach of children.

NOTE: Utilize personal protective equipment when handling this product, i.e. safety glasses and mechanical ventilation recommended. Do not puncture or incinerate. Do not store at temperatures above 120F.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE		LIMITS	
	VALUE	UNIT	TYPE	AUTH
trichlorotrifluoroethane	7600	mg/m3	TWA	ACGIH
trichlorotrifluoroethane	1250	ppm	STEL	ACGIH
trichlorotrifluoroethane	9500	mg/m3	STEL	ACGIH
trichlorotrifluoroethane	1000	ppm	TWA	OSHA
trichlorotrifluoroethane	7600	mg/m3	TWA	OSHA
trichlorotrifluoroethane	1250	ppm	STEL	OSHA
trichlorotrifluoroethane	9500	mg/m3	STEL	OSHA
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

SOURCE OF EXPOSURE LIMIT DATA:

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

8. HEALTH HAZARD DATA

EYE CONTACT: Direct contact with spray may be irritating to the eyes.

SKIN CONTACT: May defat skin upon prolonged or repeated skin exposure.

INHALATION: May cause respiratory system irritation and nervous system impairment. Deliberate misuse by concentrating and inhaling vapors may cause sudden death. Excessive exposure may cause lung and liver injury. Symptoms of overexposure may include confusion, tremors, sleepiness and heart rhythm disturbances.

INGESTION: Accidental ingestion is unlikely from an aerosol container. However, if ingestion occurs, digestive system irritation and nervous system impairment may result. Intentional concentration and swallowing the product can be harmful or fatal. Symptoms of overexposure may include nausea, vomiting, diarrhea, dizziness,

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

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8. HEALTH HAZARD DATA (continued)

sleepiness, decreased reaction-time, and slurred speech. Liquid aspiration into the lungs as a result of vomiting may cause lung damage or death.

SECTION CHANGE DATES

INGREDIENTS SECTION CHANGED SINCE JANUARY 27, 1989 ISSUE

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 product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.