

# MATERIAL SAFETY DATA SHEET

(Complies with OSHA Communication Standard 29CFR 1910.1200 Dept. of Labor.)

## CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



*Distributed by:*  
**1st Ayd Corporation**  
 1325 Gateway Dr  
 Elgin, IL 60123

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 Emergency Response Number:  
 1-800-255-3924

Contact Cleaner

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### COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT CAS REG NO.	COMPOSITION/ WGT. %	ACGIH TLV		OSHA PEL		UNITS
		TWA	STEL	TWA	STEL	
Dichlorofluoroethane 1717-00-6	80-90	NE	NE	NE	NE	NA
Isopropanol 67-63-0	1-10	400	500	400	NE	ppm
Carbon Dioxide 124-38-9	1-10	5000	30000	5000	N/A	ppm

Additional Component Information:

NA

### HAZARDS IDENTIFICATION

#### HEALTH HAZARD DATA (ACUTE AND CHRONIC)

May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. Aspiration hazard if swallowed. Eye and skin irritant. May irritate respiratory tract. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal.

OTHER:

May cause cardiac abnormalities. Vapor is heavier than air and may reduce oxygen available for breathing.

CARCINOGENICITY:

NA

FIRST AID

Give oxygen. Do not induce vomiting. Wash eyes and skin with water for 15 minutes. Get medical help. Never administer adrenalin following overexposure.

ROUTES OF ENTRY

Ingestion, Inhalation, Skin

SIGNS AND SYMPTOMS OF OVEREXPOSURE\_

Inhalation - Difficulty in breathing. Skin - redness. Ingestion - vomiting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: \_

Heart Disease, Respiratory Disorders

### PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point . . . . .	90F to 180F
Vapor Pressure at 70F . . . . .	85
VAPOR DENSITY (AIR=1) . . . . .	4.0
EVAP. RATE(BUTYL ACETATE=1) . . . . .	>1
SPECIFIC GRAVITY (WATER=1) . . . . .	1.2
Solubility . . . . .	Nil

Appearance . . . . .	Clear
Odor . . . . .	Ethereal
PH: . . . . .	Not Applicable

STABILITY AND REACTIVITY	
STABILITY:	STABLE
INCOMPATIBILITY:-	strong oxidizers, acids, chlorine, acetaldehyde, ethylene oxide, isocyanates, aluminum surfaces above 120F. caustics.
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:-	Carbon dioxide. Hydrogen chloride. Hydrogen flouride. Chlorine.
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

REGULATORY INFORMATION	
CALIFORNIA PROPOSITION 65:	NONE
Ozone Depleting Substances:	None
HMIS:	FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2
NFPA:	FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1
SARA 313 TITLE III - TOXIC CHEMICALS LIST:	Dichlorofluoroethane
DOT Shipping Name:	Consumer Commodity, ORM-D

CONTROL MEASURES	
<b>Respiratory Protection Equipment</b>	Use NIOSH approved respirator if TLV limit is exceeded.
<b>VENTILATION:</b>	Local exhaust - yes
<b>PROTECTIVE GLOVES:</b>	None required if spraying.
<b>EYE AND FACE PROTECTION:</b>	Safety glasses.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Long Sleeves and Long pants
<b>SAFE HANDLING</b>	Do not smoke while using. Wash hands after use.

PRECAUTIONS FOR SAFE HANDLING AND USE	
Flash Point	None
LOWER EXPLOSION LIMIT :	ND
UPPER EXPLOSION LIMIT :	ND
EXTINGUISHING MEDIA:-	Water fog, carbon dioxide, foam, dry chemical
UNUSUAL FIRE AND EXPLOSION HAZARDS:-	Heated cans may burst.
SPECIAL FIRE FIGHTING PROCEDURES	Keep containers cool. Use equipment or shielding required to protect against bursting or venting containers.
SPILL PROCEDURES:~	Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
WASTE DISPOSAL METHODS:~	Dispose as hazardous waste in accordance with EPA RCRA.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Keep away from heat, sparks, or open flame. Store at temperatures below 120F.
OTHER INFORMATION:	When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.
NFPA 30B Level:	1

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