

Michael Hirschfield

MSDS No.: 0426 A  
Date: Jan. 21, 1986  
Revision: Sep 20, 1988

XEROX

# Material Safety Data Sheet

Manufacturer: Xerox Corporation  
Rochester, N.Y. 14644

Emergency Tel. No. : (716) 422-2177  
Information Tel. No.: (800) 828-6571

## Section I - Product Identification

Trade Names/Synonyms: Xerox Cleaning Solvent

Part No. : - 43E10

Chemical Name: I,I,I-Trichloroethane (Methyl Chloroform)

<u>Ingredients</u>	<u>CAS No.</u>
I,I,I - Trichloroethane (85-90%)	71-55-6
Isoparaffinic Hydrocarbons (10-15%)	64742-88-7
Sec-Butyl Alcohol (Inhibitor) (<0.5%)	78-92-2

## Section II - Emergency and First Aid

Eyes: Flush thoroughly with water.

Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing.

Inhalation: Remove from exposure. Observe for any difficulty in breathing.

Ingestion: Dilute stomach contents with several glasses of water. Do not induce vomiting.

Primary Route of Entry: Inhalation

Symptoms of Overexposure: Ingestion poses maximal risk of severe respiratory distress by aspiration, as well as central nervous system depression. Intentional inhalation may result in abnormal heart rhythms, respiratory arrest, central nervous system toxicity.

Medical Conditions Generally Aggravated by Exposure: None when used as described by product literature.

Additional Information: Call physician. See Section VIII. Further information on file in Poisindex.

## Section III - Toxicology and Health Information

*This material has been tested and evaluated by Xerox Corporation. When used as intended, it does not represent a health or safety hazard.*

Oral LD<sub>50</sub>: 11 g/Kg (rats) practically non-toxic

Dermal LD<sub>50</sub>: 15 g/kg (rabbits) practically non-toxic.

Inhalation LC<sub>50</sub>: 18,000 ppm (rat, 3 hr) practically non-toxic

Eye Irritation: Not an irritant

Skin Sensitization: Not a sensitizer

Skin Irritation: Not an irritant

Human Patch: non-irritating, non-sensitizing

Mutagenicity: No mutagenicity detected in Ames Assay.

Carcinogens: None present

Aquatic LC<sub>50</sub>: 52.8 mg/l (fathead minnows) non-toxic

Additional Information: The information above is data for I,I,I - Trichloroethane.

TLV: 350 ppm (Trichloroethane)  
100 ppm (Sec-Butyl Alcohol)

PEL: 350 ppm (Trichloroethane)  
100 ppm (Sec-Butyl Alcohol)

XEL: 100 ppm (Trichloroethane)  
200 ppm (Isoparaffinic Hydrocarbons)

XEL - Xerox Exposure Limit

**Section IV - Physical Data**

Appearance/Odor: Clear liquid / Ether-like odor  
 Boiling Point: 74°C  
 Solubility in Water: Negligible  
 Evaporation Rate: 2.7, ether = 1  
 Vapor Density (Air = 1): 4.54  
 Volatile N.A. % (Wgt.) 100 % (Vol.)

Softening Range: N.A.  
 Melting Point: -45°C  
 Specific Gravity (H<sub>2</sub>O = 1): 1.31 @ 25°C  
 Vapor Pressure (mm Hg): 104.4 @ 25°C < 10  
 pH = 6.0 - 7.5

**Section V - Fire and Explosion Data**

Flash Point (Method Used): 69°F (-M.C.C.)

Flammable Limits LEL: 7%  
 UEL: 15%

Extinguishing Media: Water, Foam, dry chemical, foam,  
 carbon dioxide

Special Fire Fighting Procedures: Wear self-contained breathing apparatus

Fire and Explosion Hazards: Decomposition can produce hydrogen chloride or possibly traces of phosgene.

**Section VI - Reactivity Data**

Stability:

Unstable	
Stable	X

Hazardous

May Occur

Polymerization:

Will Not Occur

Hazardous Decomposition Products: Hydrogen chloride and possibly traces of phosgene.

Incompatibility (Materials to Avoid): Avoid contamination with caustic soda, potash, or oxidizers.  
 Avoid prolonged contact with aluminum. May generate toxic gases  
 on prolonged contact with aluminum.

**Section VII - Special Protection Information**

Respiratory Protection: None when used as intended on Xerox equipment.

Eye Protection: None when used as intended on Xerox equipment.

Protective Gloves: Wear Polyethylene, Neoprene or polyvinyl alcohol gloves.

Other: None when used as intended on Xerox equipment.

**Section VIII - Special Precautions**

Handling and Storage: Keep away from heat, open flames, and sparks. Do not get into eyes, on skin, or clothing. Avoid breathing vapors. Store in a cool, dry place.

Conditions to Avoid: Material will decompose under ultra-violet light.  
 Prolonged contact with aluminum.

**Section IX - Spill, Leak, and Disposal Procedures**

For Spills or Leakage: For small spills, wipe or soak up immediately while wearing gloves. Do not flush to sewers or waterways.

Waste Disposal Method: Send solvent to a licensed waste disposal company or reclaim facility in compliance with local, state, or federal regulations.

**Section X - Transportation Information**

DOT Proper Shipping Name: 1,1,1-Trichloroethane

Hazard Classification: ORM-A

ID Number: UN2831