Material Safety Data Sheet

Manufacturer: Xerox Corporation
Rochester, New York 14644

Health Emergency Tel No.: (716)422-2177
Transportation Emergency: (716)422-1230
Safety Information Tel No.: (800)828-6571

Section I - Product Identification

Trade Names/Synonyms: Contact Cleaner

Chemical Name: Trichlorotrifluoroethane

Ingredients
Trichlorotrifluoroethane (80-90%)\(^1\)
Chlorodifluoromethane (10-20%)

CAS No.
76-13-1
75-45-6

Section II - Emergency and First Aid

Eyes: Flush with water.
Skin: Remove contaminated clothing. Wash with soap and water.
Inhalation: Remove from exposure. Life support measures may be required.
Ingestion: Dilute stomach contents with several glasses of water. Do NOT induce vomiting.
Primary Route of Entry: Skin, inhalation
Symptoms of Overexposure: Cardiovascular toxicity leading to severe heart rhythm problems, respiratory distress. Systems may progress to narcosis and death. Eye and skin irritation.

Medical Conditions Generally Aggravated by Exposure: None when used as described by product literature.
Additional Information: Call physician.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation.

Oral LD\(_{50}\): 43 gm/kg (rat) Trichlorotrifluoroethane, practically non-toxic.
Dermal LD\(_{50}\): Not determined
Inhalation LC\(_{50}\): Practically non-toxic\(^2\)
Eye Irritation: Not determined
Skin Sensitization: Not a sensitizer.
Skin Irritation: Not an irritant. See Additional Information.
Human Patch: Not determined
Mutagenicity: Based on animal studies, poses no hazard.
Carcinogens: None present
Aquatic LC\(_{50}\): Not determined

Additional Information: Not a corrosive or irritant after single contact.

\(^1\) This product contains a toxic chemical(s) 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. 
\(^2\) Based on toxicity data from chemicals similar products. 
\(^3\) XEL - Xerox Exposure Limit

N.A. - Not Applicable N.E. - None Established N.D. - Not Determined

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Section IV - Physical Data

Appearance/Odor: Clear liquid / slight odor
Boiling Point: -21.6°F (-29.8°C)
Softening Range: N.D.
Melting Point: N.D.
Solubility in Water: 2.8 pts/100 @ 77°F (25°C)
Specific Gravity (H₂O=1): 1.311/77°F (25°C)
Evaporation Rate: 0.3 (CCL₄ = 1)
Vapor Pressure (mm Hg): 94.5 @ 20°C (68°F)
Vapor Density (Air=1): 4.2
pH: N.D.
Volatile: 100% (Wgt) 100% (Vol.)

Section V - Fire and Explosion Data

Flash Point (Method Used): None - T.O.C.
Flammable Limits: Non-flammable
Extinguishing Media: N.A.
LEL: Non-flammable
Special Fire Fighting Procedures: Self contained breathing apparatus may be required if containers rupture and contents are spilled.
UEL: Non-flammable
Fire and Explosion Hazards: Avoid heat above 120°F (48.9°C).

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Hydrochloric and hydrofluoric acids, possible phosgene, carbonyl halides.
Incompatibility (Materials to Avoid): Alkali or alkaline earth metals - powdered aluminum, zinc, beryllium, etc.

Section VII - Special Protection Information

Respiratory Protection: None needed when used as intended.
Eye Protection: None needed when used as intended.
Protective Gloves: None needed when used as intended.
Other: Use in a well ventilated area.

Section VIII - Special Precautions

Handling and Storage: Store in temperature below 120°F (48.9°C).
Conditions to Avoid: Open flames, high temperatures.

Section IX - Spill, Leak, and Disposal Procedures

For Spills or Leakage: Ventilate area - especially low places where heavy vapors might collect.

Section X - Transportation Information

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>UN ID#</th>
<th>Small Quantity Exception May Apply</th>
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<tbody>
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