



MATERIAL SAFETY DATA SHEET

IDENTITY: CHLORODIFLUOROACETYL CHLORIDE

SECTION I: MANUFACTURER

HALOCARBON PRODUCTS CORPORATION Emergency Number: (803) 278 3504
P.O. Box 661 Customer Service & Sales: (201) 262 8899
River Edge, NJ 07661

Prepared by: MSDS Coordinator

SECTION II: CHEMICAL IDENTITY

Components	CAS No.	OSHA PEL	ACGIH TLV	Other Limits
Chlorodifluoroacetyl Chloride	354-24-5	None	None	None

OSHA HAZARD RATING:

This product contains the following toxic chemical(s) subject to Section 313 Title III reporting requirements (40 CFR Part 372).
None

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point : 26 C Vapor Pressure: approx. 670 mmHg(20 C)
Melting Point : N/A Vapor Density(Air=1): >1
Specific Gravity(H2O=1): 1.466 Solubility in Water : Reacts to form water-soluble products.

Appearance and Odor: Clear, colorless volatile liquid with pungent odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method: None Autoignition Temp: Not determined.
Flammability Limits in Air - LEL: N/A UEL: N/A

Extinguishing Media: Non-flammable. Use methods appropriate for surroundings.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus and protective clothing to protect skin and eyes.

Unusual Fire and Explosion Hazards: Thermal decomposition products may be toxic and corrosive. Cylinders may rupture and become rockets under fire conditions.

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SECTION V - REACTIVITY DATA

Unstable [] Conditions to Avoid: Reacts with water and moist air to
Stable [X] give chlorodifluoroacetic and hydrochloric acids. Heat is
evolved.

Incompatibility (Materials to Avoid): Water, alcohols.

Hazardous Combustion Decomposition Products: Toxic fumes of carbon monoxide,
carbon dioxide, phosgene, hydrogen fluoride and hydrogen chloride.

Hazardous Polymerization [] May Occur [X] Will Not Occur
Conditions To Avoid: N/A

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SECTION VI - HEALTH HAZARD DATA

Threshold limit value is not known. Chlorodifluoroacetyl chloride in contact
with moisture forms hydrochloric acid and chlorodifluoroacetic acid. Both
of these are corrosive & irritating acids. Contact of liquid chlorodifluoro-
acetic acid with skin causes immediate burns. It immediately diffuses into
the skin and destroys the tissue as it penetrates. Wash any affected areas
immediately with water. Affected skin must be treated as 3rd degree burn
even though appearance may not indicate severity of skin damage. Sub-
cutaneous injections of calcium gluconate are not indicated. Chlorodi-
fluoroacetyl chloride is believed to be a pulmonary irritant. Inhalation of
large amounts of concentrated vapor may lead to pulmonary edema.

Primary routes of entry: [X] Inhalation [X] Skin [] Eyes [] Oral

Acute Effects of Overexposure: Unknown except for destruction of tissue.

Chronic Effects of Overexposure: Unknown.

Carcinogenicity listing: [NO] NTP [NO] IARC [NO] OSHA
[NO] Other:

First Aid

Inhalation: Remove to fresh air and give artificial respiration if
needed. Seek medical help.

Skin: Wash affected area with water immediately for 15 minutes.
Treat as third degree burn.

Eye: Flush eyes for at least 15 minutes with water. Get immediate
medical help.

Oral: N/A

Medical Conditions Generally Aggravated by Exposure: None known.

Other Health Hazards: None known.



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SECTION VII - PROTECTION INFORMATION

Respiratory: Self-contained breathing apparatus for emergency use.

Ventilation: Adequate general and local ventilation.

Eye and Face: Safety glasses or goggles and/or face shield.

Gloves: Impervious gloves.

Other equipment: Safety shoes are recommended for those working with cylinders.

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SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Evacuate area and avoid breathing vapors. Wear self-contained breathing apparatus to turn off source of leak if safe to do so. Provide ventilation and allow spill to dissipate. Since hydrolysis to acids takes place with moisture, wash area with water.

Waste Disposal: Small amounts may be added carefully to water and neutralized with caustic soda to give sodium chlorodifluoroacetate and salt. Observe all federal, state and local regulations.

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SECTION IX - OTHER INFORMATION

DOT Information - Proper Shipping Name: Corrosive liquid, toxic, N.O.S.
(Chlorodifluoroacetyl Chloride)
Hazard Class: 8/6.1 UN/NA Number: UN 2922
Packaging Group: I

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(Chlorodifluoroacetyl Chloride)
Hazard Class: 8/6.1 UN/NA Number: UN 2922
Packaging Group: I

Other Information: HMIS Labeling Information: H 3; F 0; R 2; P D

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REVISED: AUGUST 29, 2005