



>>Entry Name: Dichlorodifluoromethane, 9CI

ENTRY UNDER REVIEW

Synonym(s): Arcton 12. CFC 12. Fluorocarbon 12. Forane 12. Freon 12. Frigen 12. Fron 12. Genetron 12

CAS Registry Number: 75-71-8



Molecular Formula: CCl_2F_2

Molecular Weight: 120.913

Accurate Mass: 119.93451

Percentage Composition: C 9.93%; Cl 58.64%; F 31.42%

Source/Synthesis: Manuf. by liquid-phase reaction of HF with Carbon tetrachloride [CXH98-Q](#)

Use/Importance: Refrigerant, aerosol propellant, foam blowing agent, leak-detecting agent, low-temp. solv.

Physical Description: Almost odourless gas

Melting Point: Fp -158°

Boiling Point: Bp -29.8° . Bp 42.4°

Hazard & Toxicity: Can react violently with Al or Mg. Dec. to toxic carbonyl halides if strongly heated in air. Production controlled by environmental legislation. V. high conc. can cause conjunctiva irritation, fibrosing alveolitis, and adverse hepatic effects. OES: long-term 1000 ppm; short-term 1250 ppm

Sigma: D9799

Supelco: R43-0500

References:

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