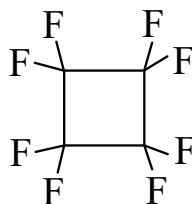




>>Entry Name: Octafluorocyclobutane, 9CI

ENTRY UNDER REVIEW

Synonym(s): Perfluorocyclobutane. Fluorocarbon C-318. Freon C318. C318



CAS Registry Number: 115-25-3

Molecular Formula: C_4F_8

Molecular Weight: 200.031

Accurate Mass: 199.987224

Percentage Composition: C 24.02%; F 75.98%

Source/Synthesis: Thermal dimer of Tetrafluoroethylene [CST11-K](#). Manuf. by pyrolysis of F_2CHCl

Use/Importance: Refrigerant, heat-transfer medium, propellant (used in foods). Monomer for plasma polym. to give coatings

Physical Description: Gas

Melting Point: Mp -41.4° (-40.7°)

Boiling Point: Bp -6.04°

Solubility: Sol. EtOH

References:

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