



MATERIAL SAFETY DATA SHEET

IDENTITY: HEXAFLUOROACETONE SESQUIHYDRATE

SECTION I: MANUFACTURER

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

Prepared by: MSDS Coordinator

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV	Other Limits
Hexafluoroacetone Sesquihydrate	13098-39-0	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 : Not available Vapor Pressure: Not available
Melting Point : 18-21C Vapor Density(Air=1): >1
Specific Gravity(H2O=1): 1.69 Solubility in Water : Soluble

Appearance and Odor: Anhydrous hexafluoroacetone is a gas; the sesquihydrate is a liquid with a low melting point.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method: N/A Autoignition Temp: Not determined
Flammability Limits in Air - LEL: N/A UEL: N/A

Extinguishing Media: Carbon dioxide, regular dry chemical. Use methods appropriate for surroundings.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin or eyes.

Unusual Fire and Explosion Hazards: Do not get water inside container. Thermal decomposition products are corrosive and toxic. Water hydrolyzes material creating acidic gas which in contact with metal surfaces may form a flammable hydrogen gas.

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SECTION V - REACTIVITY DATA

Unstable Conditions to Avoid: Protect from physical damage and
Stable heat. Avoid getting water inside container (see Section
IV).

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition or By-products: Includes toxic fumes of carbon
dioxide, carbon monoxide, hydrogen fluoride.

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

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SECTION VI - HEALTH HAZARD DATA

Material is extremely destructive to tissue of the mucous membrane and upper respiratory tract. It is toxic if inhaled. Acute exposure may cause nose, throat and lung irritation and death from pulmonary edema. It is readily absorbed through skin, is toxic and causes burns. It is toxic if swallowed. Animal studies indicate ingestion of aqueous solution may cause central nervous system depression and death.

Hexafluoroacetone is a known reproductive hazard. It is known to effect testes, cause post-implantation mortality and fetotoxicity. There is a risk of congenital malformation in the fetus. Hexafluoroacetone has been known to cause developmental abnormalities, reduced litter size and fetal death.

Toxicity Data: Oral, mouse, LD50 300 mg/kg
Skin, rat, LD50 670 mg/kg
Intraperitoneal, mouse, LD50 250 mg/kg
Intravenous, mouse, LD50 180 mg/kg

Reproductive Data:
Skin, Rat, TDLo 546 mg/kg, 14D, male.

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information (RTECS # UC2660000).

Primary routes of entry: Inhalation Skin Eyes Oral

Carcinogenicity listing: NTP IARC OSHA
 Other:

First Aid

Inhalation: Remove to fresh air and give artificial respiration if necessary. Seek immediate medical attention.

Skin: Wash affected area immediately for 15 minutes. Remove contaminated clothing and shoes. Seek medical help if needed.

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

Oral: If swallowed get medical attention.

Medical Conditions Generally Aggravated by Exposure: No information available.

Other Health Hazards: No information available.

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SECTION VII - PROTECTION INFORMATION

Respiratory: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Self-contained breathing apparatus with a full facepiece for emergency use.

Ventilation: Provide local exhaust or process enclosure ventilation system.

Eye protection: Safety glasses or goggles and a face shield.

Gloves: Wear appropriate chemical resistant gloves.

Other equipment: Have safety shower, eye wash available.

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SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Avoid breathing vapors and keep personnel upwind. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Cover with dry lime or soda ash, pick up and keep in a closed container. Ventilate area and wash spill site after pick-up is complete.

Waste Disposal: Contact licensed professional waste disposal service. Mix with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber. Observe all federal, state and local regulations.

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SECTION IX - OTHER INFORMATION

U.S. (49 CFR): Proper Shipping Name: Toxic liquids, corrosive, organic, NOS
(Hexafluoroacetone Sesquihydrate)
Hazard Class: 6.1 UN/NA Number: 2927
Packing Group: I

IATA: Proper Shipping Name: Toxic liquid, corrosive, organic, NOS
(Hexafluoroacetone Sesquihydrate)
Hazard Class: 6.1 UN/NA Number: 2927
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IMDG: Proper Shipping Name: Toxic liquid, corrosive, organic, NOS
(Hexafluoroacetone Sesquihydrate)
Hazard Class: 6.1 UN/NA Number: 2927
Packing Group: I

Other Information: HMIS Labeling: H 2*; F 1; R 3; PPE X