



## =====

Unstable  Conditions to Avoid: Protect from physical damage and  
Stable  heat. Containers may rupture or explode if exposed to  
heat. Avoid getting water inside container (see Section  
IV).

Incompatibility (Materials to Avoid): Strong oxidizing agents and water.

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

## =====

## 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. 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. Material is a teratogen and there is a risk of congenital malformation in the fetus.

Toxicity Data: Oral, Rat, LD50 190 mg/kg.  
Skin, Rabbit, LD50 113 mg/kg.

Reproductive Data:

Animal studies have shown reduced sperm formation, testicular atrophy in exposed dogs, rats and nonfunctioning ovaries in mice.

Chronic exposure-(teratogen) results in congenital malformation in the fetus.

Skin, Rat, 275 mg/kg, 6-16D, causes developmental abnormalities, reduces litter size, fetal death.

Skin, Rat, 55 mg/kg, 6-16D, abnormalities in musculoskeletal system, fetotoxicity.

Skin, Rat, 11 mg/kg, 6-16D, abnormalities in urogenital system.

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information (RTECS # UC2700000).

Primary routes of entry:  Inhalation  Skin  Eyes  Oral

Carcinogenicity listing:  [No] NTP  [No] IARC  [No] OSHA  
 [No] 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.

=====  
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. Ensure compliance with applicable exposure limits.

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

Gloves: Wear appropriate chemical resistant gloves.

Other equipment: Have safety shower, eye wash available. If stored in cylinders store in a cool, dry area. Cylinder temperature should not exceed 52C. Use with equipment rated for cylinder pressure and of compatible materials of construction.

=====  
SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Wear self-contained breathing apparatus, thick rubber boots and impervious gloves to shut off leak at source if safe to do so. Evacuate area, avoid breathing vapors and keep personnel upwind. Cover with dry lime or soda ash, pick up and store in closed container for waste disposal. Ventilate area and wash spill site after pick-up.

Evacuate area: Avoid breathing vapors and keep personnel upwind.

Waste Disposal: Dispose in accordance with all federal, state and local regulations.

=====  
SECTION IX - OTHER INFORMATION

U.S. (49 CFR): Proper Shipping Name: Hexafluoroacetone hydrate, liquid.  
Hazard Class: 6.1 UN/NA Number: 2552  
Packing Group: II

IATA: Proper Shipping Name: Hexafluoroacetone hydrate, liquid.  
Hazard Class: 6.1 UN/NA Number: 2552  
Packing Group: II

IMDG: Proper Shipping Name: Hexafluoroacetone hydrate, liquid.  
Hazard Class: 6.1 UN/NA Number: 2552  
Packing Group: II

Other Information: HMIS Labeling: H 3; F 0; R 2; PPE G