

HFPO dimer, acid fluoride: sc-263386



MATERIAL SAFETY DATA SHEET

The Power to Question

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name: HFPO dimer, acid fluoride
Product Number: sc-263386
Synonyms: 2(Heptafluoropropoxy)2,3,3,3tetrafluoropropionyl fluoride; Perfluoro(2methyl3oxahexanoyl) fluoride;
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name: Perfluoro(2-methyl-3-oxahexanoyl) fluoride
CAS#: 2062-98-8

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: Corrosive.

Perfluoro(2-methyl-3-oxahexanoyl) fluoride:

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

Eye Contact: Corrosive, contact causes severe eye burns which may result in permanent tissue and corneal damage.

Skin Contact: Corrosive causes skin burns and severe irritation.

Inhalation: Corrosive. Vapor may be strongly irritating to the respiratory tract.

Ingestion: Risk of internal burns if ingested.

Target Organs: Eyes. Skin. Respiratory system. G.I. Tract.

SECTION 4 : FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 20 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention if irritation persists, or symptoms of overexposure become apparent.

Skin Contact: Immediately wash skin with plenty of water for at least 20 minutes, while removing contaminated clothing and shoes. Get medical attention especially, if irritation develops, persists, or symptoms of overexposure become apparent.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Keep warm. Get immediate medical attention.

Ingestion: If swallowed, call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting unless instructed by medical personnel. Get medical attention.

Other First Aid: Exposures require specialized first aid with contact and medical followup. Symptoms of exposures may be delayed.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point: No data

Extinguishing Media: Use dry powder or carbon dioxide when fighting a fire involving this material.

Unsuitable Media: Water extinguishers are not recommended.

Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use proper personal protective equipment as listed in section 8.

Spill Cleanup Measures: Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb spill with dry inert material such as dry sand, earth, or vermiculite, then place in suitable container. Refer to section 13 for proper disposal.

Environmental Precautions: Do not allow material to enter drains or streams.

SECTION 7 : HANDLING and STORAGE

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data. It should always be handled in an efficient fume hood or equivalent system. The user should consider that the toxicological and physiological properties of many compounds are not yet well determined and that new hazardous products may arise from reactions between chemicals. Care should be taken to prevent any chemical from coming into contact with the skin or eyes and from contaminating personal clothing.

Storage: Store in a cold, below 5 degrees Celsius, dry, well ventilated area away from sources of heat and incompatible substances. Keep container tightly closed and cold when not in use. Product is moisture sensitive.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Skin Protection Description: Wear suitable protective clothing to prevent contact with skin.

Hand Protection Description: Wear appropriate protective gloves. Consult glove manufacturers for glove permeability data.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Respiratory Protection: A NIOSH approved airpurifying respirator with an appropriate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited to airborne concentrations that are typically within 10 times the exposure limit. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where airpurifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State/Appearance:	Liquid
Color:	Colorless
Flash Point:	No data
Boiling Point:	5456°C (129.2132.8°F)
Melting Point:	No data

Solubility in Water:	Reacts
Density:	No data
Molecular Formula:	C6F12O2
Molecular Weight:	332.06

SECTION 10 : STABILITY and REACTIVITY

Conditions to Avoid: High temperatures, flames and sparks. Humidity.

Incompatibilities with Other Materials: Oxidizing agents. Strong reducing agents. Bases. Reactive metals. Water.

Possible Decomposition Product: Carbon monoxide. Hydrogen fluoride.

SECTION 11 : TOXICOLOGICAL INFORMATION

Perfluoro(2-methyl-3-oxahexanoyl) fluoride :

Eye Effect: No data reported in the cited references as of the revision date.

Skin Effects: No data reported in the cited references as of the revision date.

Ingestion Effects: No data reported in the cited references as of the revision date.

Inhalation Effects: No data reported in the cited references as of the revision date.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No information provided.

Bioaccumulation: No information provided.

Biodegradation: No information provided.

Environmental Stability: No information provided.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines, by a licensed disposal company.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Perfluoro(2methyl3 oxahexanoyl) fluoride)

DOT Hazard Class: 8

DOT Identification Number: UN3265

DOT Packing Group: II

DOT Subpart E Labeling Requirement: 8

SECTION 15 : REGULATORY INFORMATION

Perfluoro(2-methyl-3-oxahexanoyl) fluoride :

TSCA 8(b): Inventory Status: Listed on the TSCA inventory.

Risk Phrases: R34 Causes burns.
R37 Irritating to respiratory system.

Safety Phrase: S23 Do not breathe vapor
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately

SECTION 16 : ADDITIONAL INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

9/14/2010