

## MSDS - Material Safety Data Sheet

<b>Section 1.</b>		<b>Product and Company Identification</b>
Supplier	CovaChem, LLC. 6260 East Riverside Blvd, STE 119 Loves Park, IL 61111 Phone: +1.815.315.1271 x3 Fax: +1.815.315.1272 +1.815.714.8421	
Emergency Phone #:	12206-10x1, 12206-25, 12206-100, 12206-custom	
Product Number	12206-10x1, 12206-25, 12206-100, 12206-custom	
Product Name	<a href="#">Hexafluoroisopropanol, HFIP</a>	
<b>Section 2.</b>		<b>Composition / Information on Ingredients</b>
<b>OSHA Hazards</b>	Corrosive	
	Corrosive	
<b>HMIS Classification</b>	Health Hazard	3
	Flammability	0
	Physical Hazard	0
<b>NFPA Rating</b>	Health Hazard	3
	Flammability	0
	Physical Hazard	0
<b>Potential Health Effects</b>	Inhalation	May be harmful if inhaled or ingested. May cause respiratory irritation.
	Skin	May be harmful if absorbed through the skin.
	Eyes	May cause irritation to the eyes.
	Ingestion	May be harmful if ingested.
<b>Section 3.</b>		<b>Hazards Identification</b>
Synonyms	<a href="#">HFIP; HFP; Hexafluoroisopropanol; 1,1,1,3,3,3-Hexafluoropropan-2-ol</a>	
Molecular Weight	168.04	
Formula	C3H2F6O	
CAS #	<a href="#">920-66-1</a>	
<b>Section 4.</b>		<b>First Aid Measures</b>
If Inhaled	Move to fresh air. Give artificial respiration if breathing has ceased.	
In case of Skin Contact	Remove affected clothes immediately. Wash with soap and water.	
In Case of Eye Contact	Flush with plenty of water. Seek medical attention promptly.	
If Swallowed	Do not induce vomiting. Rinse mouth with water and seek medical attention promptly.	
<b>Section 5.</b>		<b>Fire-Fighting Measures</b>
Conditions for flammability	Avoid spark formation potential. Flammable liquid may ignite in presence of sparks, flame or high temperatures.	
Suitable Extinguishing Media	Water, dry chemical, alcohol resistant foam are all suitable.	
Protective Equipment	If needed, wear self contained breathing apparatus.	
Hazardous Combustion Products	Carbon oxides and hydrogen fluoride may form upon combustion	
<b>Section 6.</b>		<b>Accidental Release Measures</b>
Personal Precautions	Avoid breathing dust or vapors. Use in well ventilated area.	
Environmental precautions	Prevent environmental release. Do not pour down drain.	
<b>Section 7.</b>		<b>Handling and Storage</b>
Conditions for Safe Storage	Store container in a well ventilated, dry location. Store at 4 °C.	
Precautions regarding safe handling	Provide adequate ventilation and standard fire prevention measures.	
<b>Section 8.</b>		<b>Exposure Controls / Personal Protection</b>
Does not contain any substance with occupational exposure limit values.		
Respiratory Protection	Use of an air purifying respiratory is recommended, type N100 or type P3 (EN 143).	
Hand Protection	Handle with nitrile rubber gloves.	
Eye Protection	Use a face shield and safety glasses.	
Body and Skin Protection		Complete chemical protective suit is recommended. The personal protective equipment should be selected depending upon the concentration and amount of chemical at work station.
Hygiene		Wash hands and arms after use, prior to eating, and before breaks. Always use good industrial hygiene and safety practices.
<b>Section 9.</b>		<b>Physical and Chemical Properties</b>
Form	clear liquid	
Melting Point	-4 °C	
Boiling Point	59 °C	
Flash Point	unavailable	
Ignition Temperature	unavailable	
Autoignition Temperature	unavailable	
Density	1.596 g/mL	
Water Solubility	soluble	
Partition Coeff: n-octanol/water	log POW = -0.54	
<b>Section 10.</b>		<b>Stability and Reactivity</b>
Chemical Stability	Stable under recommended storage conditions.	
Possibility of hazardous reactions	unavailable	
Conditions to Avoid	unavailable	
Materials to Avoid	Strong Oxidizers, alkali metals, Strong bases, Strong acids, Aluminum, Zinc	

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Hazardous decomposition products	Carbon oxides and hydrogen fluoride may form upon combustion
<b>Section 11.</b>	<b>Toxicology</b>
Oral LD50	LD50 Oral - rat - 1,500 mg/kg
Inhalation LC50	LC50 Inhalation - rat 4 hr = 1974 ppm
Dermal LD50	data unavailable
Skin corrosion / irritation	severe eye irritant
Eye Damage or Irritation	severe eye irritant
Skin and Respiratory Sensitization	Sensitization agent
Germ Cell Mutagenicity	data unavailable
Carcinogeneity	
IARC	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by ACGIH.
NTP	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by NTP.
OSHA	No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by OSHA.
Reproductive Toxicity	data unavailable
Teratogenicity	data unavailable
Aspiration Hazard	data unavailable
Potential Health Effects	
Inhalation	May be harmful if inhaled. Material is damaging to mucous membranes and upper respiratory tract.
Ingestion	May cause harm if swallowed.
Skin	May cause harm if absorbed through skin.
Eyes	May cause eye irritation and burns.
<b>Section 12.</b>	<b>Ecological Information</b>
Toxicology	data unavailable
Persistence and degradability	data unavailable
Bioaccumulative potential	data unavailable
Mobility in soil	data unavailable
PBT and vPvB assessment	data unavailable
Other Adverse effects	data unavailable
<b>Section 13.</b>	<b>Disposal Consideration</b>
Disposal Considerations	Generation of waste should be kept to a minimum when possible. Any waste generated should be recycled when possible. Please dispose any unused or used materials in accordance with applicable national, regional and local laws and regulations.
<b>Section 14.</b>	<b>Transportation Information</b>
<b>DOT (USA)</b>	
UN Number: 2922 Packing Group: II Class: 8 (6.1)	
Shipping Name: 1,1,1,3,3,3-Hexafluoropropan-2-ol	
Poison Inhalation Hazard: No	Marine Pollutant: No
<b>IMDG</b>	
UN Number: 2922 Packing Group: II Class: 8 (6.1)	
Shipping Name: 1,1,1,3,3,3-Hexafluoropropan-2-ol	
Marine Pollutant: No	
<b>IATA</b>	
UN Number: 2922 Packing Group: II Class: 8 (6.1)	
Shipping Name: 1,1,1,3,3,3-Hexafluoropropan-2-ol	
<b>Section 15.</b>	<b>Regulatory Information</b>
OSHA Hazards	Corrosive liquid, Harmful if ingested
SARA 302 Components	No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.
SARA 311/312	Acute Health Hazard
Californial Prop. 65 Components	This material does not contain any chemicals known to the State of California to cause reproductive harm or birth defects.
Right to Know Components	<a href="#">1,1,1,3,3,3-Hexafluoropropan-2-ol (CAS# 920-66-1)</a>
<b>Section 16.</b>	<b>Other Information</b>
Other Information	The information represented in this MSDS is believed to be correct and is based on the current state of our knowledge. This document or any other document does not represent or suggest any type of warantee or guarantee of the product properties or characteristics of this material. CovaChem, LLC and its affiliates shall not be held liable for any damages that result from contact