Section 1. Product and Company Identification

Supplier
CovaChem, LLC.
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Phone: +1.815.315.1271 x3
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Emergency Phone #:
+1.815.714.8421

Product Number
12206-10x1, 12206-25, 12206-100, 12206-custom

Product Name
Hexafluoroisopropanol, HFIP

Section 2. Composition / Information on Ingredients

OSHA Hazards
Corrosive

HMIS Classification
Health Hazard 3
Flammability 0
Physical Hazard 0

NFPA Rating
Health Hazard 3
Flammability 0
Physical Hazard 0

Potential Health Effects

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.

Section 3. Hazards Identification

Synonyms
HFIP; HFP; Hexafluoroisopropanol; 1,1,1,3,3,3-Hexafluoropropan-2-ol

Molecular Weight
168.04

Formula
C3H2F6O

CAS #
920-66-3

Section 4. First Aid Measures

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.

Section 5. Fire-Fighting Measures

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.

Section 6. Accidental Release Measures

Personal Precautions
Avoid breathing dust or vapors. Use in well ventilated area.

Environmental precautions
Prevent environmental release. Do not pour down drain.

Section 7. Handling and Storage

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.

Section 8. Exposure Controls / Personal Protection

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.

Section 9. Physical and Chemical Properties

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

Section 10. Stability and Reactivity

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
Hazardous decomposition products
Carbon oxides and hydrogen fluoride may form upon combustion

Section 11. Toxicology

| 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 |
| Carcinogenicity: | No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC. |

IARC
No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by ACGIH.

ACGIH
No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by NTP.

NTP
No component present at greater than 0.1% is identified as a probable, possible or confirmed human carcinogen by OSHA.

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.

Section 12. Ecological Information

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

Section 13. Disposal Consideration

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.

Section 14. Transportation Information

DOT (USA)
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

IMDG
UN Number: 2922 Packing Group: II Class: 8 (6.1)
Shipping Name: 1,1,1,3,3,3-Hexafluoropropan-2-ol
Marine Pollutant: No

IATA
UN Number: 2922 Packing Group: II Class: 8 (6.1)
Shipping Name: 1,1,1,3,3,3-Hexafluoropropan-2-ol

Section 15. Regulatory Information

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
1,1,1,3,3,3-Hexafluoropropan-2-ol (CAS# 920-66-1)

Section 16. Other Information

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...