

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-76776-16-4.html> for suppliers of this product.

### Composition/Information on Ingredient

76-16-4

**Code:**  
T

**RTECS:**  
KI4110000

**Code:**  
T

**Name:**  
HEXAFLUOROETHANE 1 Environmental Wt: Other REC

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIH STEL:**  
N/P

**Code:**

**Respiratory Protection:**  
SUPPLIED-AIR RESPIRATOR

PRESSURE MODE IN COMBINATION WITH A SEPARATE ESCAPE SUPPLY. ANY SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE.

**Ventilation:**  
PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION SYSTEM. ENSURE COMPLIANCE WITH APPLICABLE EXPOSURE LIMITS.

**Protective Gloves:**  
WEAR INSULATED GLOVES.

**Eye Protection:**  
SPLASH RESISTANT SAFETY GOGGLES WITH A FACESHIELD

**Other Protective Equipment:**  
Equipment EMERGENCY EYE WASH FOUNTAIN. WEAR APPROPRIATE PROTECTIVE, COLD INSULATING CLOTHING.

**Work Hygienic Practices:**  
USE IN A WELL VENTILATED AREA.

**Supplemental Safety and Health:**  
NONE PROVIDED BY MFR. 3

**LD50LC50Mixture:**

<b>Route Of Entry Inds - Inhalation:</b>
YES
<b>Skin:</b>
YES
<b>Ingestion:</b>
NO
<b>Carcinogenicity Inds - NTP:</b>
NO
<b>IARC:</b>
NO
<b>OSHA:</b>
NO
<b>Health Hazards Acute And Chronic:</b>
ACUTE- INHALATION: NAUSEA, VOMITING, SYMPTOMS OF DRUNKENNESS, DISORIENTATION, TINGLING SENSATION, SUFFOCATION, CONVULSIONS, COMA. SKIN CONTACT: BLISTERS, FROSTBITE. EYE CONTACT: FROSTBITE, BLURRED VISION. INGESTION:FROSTBITE. CHRONIC: NO INFORMATION IS AVAILABLE.
<b>Explanation Of Carcinogenicity:</b>
N/P
<b>Signs And Symptoms Of Overexposure:</b>
INHALATION: NAUSEA, VOMITING, SYMPTOMS OF DRUNKENNESS, DISORIENTATION, TINGLING SENSATION, SUFFOCATION, CONVULSIONS, COMA. SKIN CONTACT: BLISTERS, FROSTBITE. EYE CONTACT: FROSTBITE, BLURRED VISION. IN GESTION:FROSTBITE.
<b>Medical Cond Aggravated By Exposure:</b>
N/P
<b>First Aid:</b>
INHALATION: WHEN SAFE TO ENTER AREA. REMOVE FROM EXPOSURE. USE A BAG VALVE MASK OR SIMILAR DEVICE TO PREFORM ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH IF NEEDED. IF FROSTBI TE, FREEZING OR CRYAGENIC BURNS OCCUR WARM AFFECTED AREA IN WARM WATER. GET MEDICAL ATTENTION IMMEDIATELY. EYE: WASH WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE UNTIL NO EVIDENCE OF CHEMICAL REMAINS (15 TO 20 MINS) GET MEDICAL ATTENTION IMMEDIATELY. INGESTION: GET MEDICAL ATTENTION IF NEEDED
<b>Spill Release Procedures:</b>
S LEAK IF POSSIBLE WITHOUT PERSONAL RISK. KEEP UNNECESSARY PEOPLE AWAY, ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND AND KEEP OUT OF LOW AREAS.
<b>Neutralizing Agent:</b>
NONE PROVIDED BY MFR.
<b>Waste Disposal Methods:</b>
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
<b>Handling And Storage Precautions:</b>
STORE AND HANDLE IN ACCORDANCE WITH ALL CURRENT REGULATIONS AND STANDARDS. SUBJECT TO STORAGE REGULATIONS:U.S. OSHA 29 CFR 1910.101. 2
<b>Other Precautions:</b>
N/P

**Flash Points:**

<b>Flash Point Text:</b> N/P	
<b>Autoignition Temp:</b>	
<b>Autoignition Temp Text:</b> N/P	
<b>Lower Limits:</b> N/P	
<b>Upper Limits:</b> N/P	
<b>Extinguishing Media:</b> CARBON DIOXIDE, REGULAR DRY CHEMICAL	
<b>Fire Fighting Procedures:</b> MOVE CONTAINER FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. COOL CONTAINERS WITH WATER SPRAY UNTIL WELL AFTER THE FIRE IS OUT. DO NOT GET WATER DIRECTLY ON MATERIAL. REDUCE VAPORS WITH WATER SPRAY. AVOID INHALATION OF MATERIAL OR COMBUSTION BY-PRODUCTS.	
<b>Unusual Fire/Explosion Hazard:</b> CONTAINERS MAY RUPTURE OR EXPLODE IF EXPOSED TO HEAT.	
<b>Physical/Chemical Properties</b>	

## G3

**Net Prop WT For Ammo:**

**Boiling Point:**  
=-78.7C, -110.F

**B.P. Text:**

**Melt / Freeze Pt:**  
=-93.7C, -137.F

**M.P/F.P Text:**

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
23028 MMHG @21C

**Vapor Density:**  
4.823

**Volatile Org Content %:**

**Spec Gravity:**  
N/A

**VOC Pounds/Gallon:**

**PH:** N/A

**VOC Grams/Liter:**

**Viscosity:**  
0.0144 CP@25C

**Evaporation Rate & References:**  
N/A

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
COLORLESS GAS, ODORLESS

**Percent Volatiles by Volume:**  
100

**Corrosion Rate:**  
N/P

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
PROTECT FROM PHYSICAL DAMAGE AND HEAT. CONTAINERS MAY RUPTURE OR EXPLODE IF EXPOSED TO HEAT.

**Materials To Avoid:**  
OXIDIZERS (STRONG)

**Hazardous Decomposition Products:**  
THERMAL DECOMPOSITION PRODUCTS: HALOGENATED COMPOUNDS, OXIDES OF CARBON.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
WILL NOT POLYMERIZE

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## Toxicological Information

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**Information:**N/P

## MSDS Transport Information

**Sara Title III Information:** N/P

**Federal Regulatory Information: N/P**

## Other Information

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**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used