**MATERIAL SAFETY DATA SHEET**

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### IDENTIFICATION

**PRODUCT #:** 10522-8  
**CAS #:** 920-66-1  
**MF:** C₃H₂F₆O

**SYNONYMS**  
HEXAFLUOROISOPRO PANOL * + FIP * 1,1,1,3,3,3-HEXAFLUORO-2-PROPANOL *

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### TOXICITY HAZARDS

**RTECS NO:** UB6450000  
**2-PROPANOL, 1,1,1,3,3,3-HEXAFLUORO-**

**TOXICITY DATA**

<table>
<thead>
<tr>
<th>ORL-MUS</th>
<th>LD₅₀: 400 MG/KG</th>
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</thead>
<tbody>
<tr>
<td>IPR-MUS</td>
<td>LD₅₀: 300 MG/KG</td>
</tr>
<tr>
<td>IVN-MUS</td>
<td>LD₅₀: 180 MG/KG</td>
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</tbody>
</table>

**REVIEWS, STANDARDS, AND REGULATIONS**

| NOS 1974: | HZD 83909; NIS 1; TNE 14; NOS 1; TNE 367 |
| NOS 1983: | HZD 83909; NIS 1; TNE 23; NOS 2; TNE 135; TFE 113 |

**EPA TSCA CHEMICAL INVENTORY, 1986**

**EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 1990**

**ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)**

**DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.**

### HEALTH HAZARD DATA

**ACUTE EFFECTS**

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN. INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI. CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.

### FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH copIOUS amounts of WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES.

### PHYSICAL DATA

| BOILING PT: | 59 C |
| MELTING PT: | -4 C |

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**CONTINUED ON NEXT PAGE**
NAME: 1,1,1,3,3,3-HEXAFLUORO-2-PROPA NOL, 99%+

CUST#: 523216
PO#: UNJ03553

PRODUCT #: 10522-8
CAS #: 920-66-1
MF#: C3H2F6C

--- PHYSICAL DATA ---

SPECIFIC GRAVITY: 1.596

APPEARANCE AND ODOR: COLORLESS LIQUID

FLASHPOINT: NONE

EXTINGUISHING MEDIA: NONCOMBUSTIBLE.
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNE ASD FIRE AND EXPLOSION HAZARDS: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

--- REACTIVITY DATA ---

INCOMPATIBILITIES: ACIDS, ACID CHLORIDES, OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: HYDROGEN FLUORIDE, CARBON MONOXIDE, CARBON DIOXIDE

--- SPILL OR LEAK PROCEDURES ---

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD: THE MATERIAL SHOULD BE IGNITED IN THE PRESENCE OF SODIUM CARBONATE AND SLAGGED LIME (CALCIUM HYDROXIDE). THE SUBSTANCE SHOULD BE MIXED WITH VERMICULITE AND THEN WITH THE DRY CAUSTICS, WRAPPED IN PAPER AND BURNED IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---
WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT

CONTINUED ON NEXT PAGE
PRODUCT #: 10522-8  
CAS #: 920-66-1  
MF: C3H2F6C

NAME: 1,1,1,3,3,3-Hexafluoro-2-propanol, 99+

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
USE ONLY IN A CHEMICAL FUME HOOD.
SAFETY SHOWER AND EYE BATH.
FACESHIELD (8-INCH MINIMUM).
DO NOT BREATHE VAPOR.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
CORROSIVE.
KEEP TIGHTLY CLOSED.
COOL TO 0°C BEFORE OPENING.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE
ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD
LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE
ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL
TECHNICAL AND CONDITIONS OF SALE.

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