1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION:
Product Name: ISCEON®
Date of Prep: 2-Feb-2007
Revision: A
MSDS #: 901508.001

2. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>CHEMICAL INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>EC NUMBER</th>
<th>% BY WT.</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>HAZARD SYMBOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentafluoroethane</td>
<td>354-33-6</td>
<td>N/A</td>
<td>86</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Octafluoropropane</td>
<td>76-19-7</td>
<td>N/A</td>
<td>9</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>N/A</td>
<td>5</td>
<td>1,000 ppm</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Notes:

3. HAZARDS IDENTIFICATION: Gross overexposure may cause: dizziness, confusion, incoordination, drowsiness, unconsciousness, suffocation, irregular heartbeat. Contact with skin may cause frostbite. Not listed as a carcinogen.

4. FIRST AID MEASURES:

Inhalation: Remove to fresh air.
Skin Contact: Flush area with lukewarm (not hot) water. If frostbite has occurred, call a physician.
Eye Contact: Immediately flush with water for a minimum of 15 minutes. Call a physician.
Ingestion: Not considered a potential route of exposure.

Note to physician: Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should only be used with special caution in situations of emergency life support.

5. FIRE-FIGHTING MEASURES:

Flammable Properties: Non-flammable
Extinguishing Media: Use media appropriate for surrounding material.
Unique Aspects Contributing To a Fire:
Special Fire Fighting Procedures: Cool cylinders with water spray or fog. Self contained breathing apparatus is required if cylinders rupture and contents are released under fire conditions. Water runoff should be contained and neutralized prior to release.

Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES: Ventilate area, especially in low or enclosed areas. Remove open flames. Use self-contained breathing apparatus for large spills.

7. HANDLING AND STORAGE: Avoid breathing vapors. Avoid liquid contact with eyes or skin. Eliminate any potential contact with chlorine. Keep container tightly closed and store in a cool, dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with good laboratory practices.
Respiratory Protection: Not normally needed. If exposure limits are exceeded, use approved respirator.
Eye Protection: Chemical splash goggles should be used.
Skin Protection: Impervious gloves should be use.
Engineering Controls: Avoid breathing vapors and contact with skin or eyes. Handle in an area with good general room ventilation. Determination of vapor concentrations may be necessary prior to the use of torches or other open flames.
9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:

Physical State: Gas
Odor: Slight Ether-like
pH: Neutral
Specific Gravity: 1.08 @ 25°C (77°F)

Flash Point: None
Explosion Limits: None
Boiling Point: -56°C (-68°F) @ atm. press.
Melting Point: Not Available

Vapor Pressure: 226 psia @ 25°C (77°F)
Vapor Density (air=1): 4.0 @ 25°C (77°F)
Solubility in Water: <0.5% @ 25°C (77°F)

10. STABILITY AND REACTIVITY:

Stability: Stable
Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Combustion Products:
Decomposition products are hazardous. Include hydrofluoric acid and possibly carbonyl fluoride

Conditions & Materials to Avoid:
Incompatible with alkali or alkaline earth metals Al, Zn, Be, etc.

11. TOXICOLOGICAL INFORMATION:

Primary Route(s) of Exposure Under Normal Use:

Target Organ(s):

Acute Effects:

Chronic Effects:

Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH, or California.

12. ECOLOGICAL INFORMATION: Not Available

13. DISPOSAL CONSIDERATIONS: Must be in accordance with applicable Federal, State/Province and local regulations.

14. TRANSPORT INFORMATION:

U.S. DOT: Shipping Name: Liquefied gas, N.O.S.
Hazard Class: 2.2
UN/NA #: 3163
Packing Group #:

IATA/ICAO:

15. REGULATORY INFORMATION:

EU Risk/Safety Phrases:

U.S. TOSCA:

Canada: This product has been classified according to the hazard criteria of the CPR and this MSDS contains all the information required by the CPR.

16. OTHER INFORMATION:

U.S. EPA SARA

CERCLA BO

National Fire Protection Association Rating

<table>
<thead>
<tr>
<th>313 Chemicals</th>
<th>CERCLA BO</th>
</tr>
</thead>
</table>

Notes: Not Established (NE) means a value has not been set or there is no information available. Not Applicable (NA) means that the topic is not pertinent.

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