1. IDENTIFICATION

Product Name EnSolv NEXT
Identified uses Precision Cleaning Solvent
Supplier Enviro Tech International, Inc.
1800 N 25th Avenue
Melrose Park, IL 60160
708-343-6641
www.envirotechint.com
Contact Person sales@envirotechint.com
Non-emergency: (708) 343-6641

2. HAZARD IDENTIFICATION

Does not support combustion and will decompose when exposed to extreme conditions of heat at elevated temperatures, naked flames or incompatible materials. In use, likely to form flammable/explosive vapor-air mixture.

Appearance Liquid
Color Clear, Colorless.
GHS Pictogram

Signal Word Warning
Hazard Statements H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P261 Avoid breathing vapor/spray.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.

Contains 1,2 trans-dichloroethylene
GHS Classification Physical and Chemical Hazards Not classified.
Human health Acute Tox. 4 - H332
Environment Aquatic Chronic 3 - H412

Inhalation Gas or vapor may irritate respiratory system.
Ingestion May cause discomfort if swallowed.
Skin Contact Liquid may irritate skin.
Eye Contact May cause temporary eye irritation
3. **COMPOSITION / INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2 trans-dichloroethylene</td>
<td>55-100%</td>
<td>156-60-5</td>
</tr>
<tr>
<td>GHS Classification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flam. Liq. 2 - H225; Acute Tox. 4 - H332; Aquatic Chronic 3 - H412</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,1,1,3,3-PENTAFLUOROBUTANE</td>
<td>10-40%</td>
<td>406-58-6</td>
</tr>
<tr>
<td>GHS Classification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flam. Liq. 2 - H225</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. **FIRST AID MEASURES**

**Inhalation:** Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

**Ingestion:** Do not induce vomiting. Never give liquid to an unconscious person. Get medical attention if any discomfort continues.

**Skin Contact:** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

**Eye Contact:** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**Most important symptoms and effects, both acute and delayed**

**Indication of any immediate medical attention and special treatment needed**

**Notes To The Physician** Treat Symptomatically.

5. **FIRE FIGHTING MEASURES**

**Flash point (°C):** ASTM 56 – Does not flash

**Extinguishing Media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Hazardous combustion products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**Special Fire Fighting Procedures:** Avoid breathing fire vapors. Keep run-off water out of sewers and water sources. Dike for water control.

**Protective Equipment For Fire-Fighters:** Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. **ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear protective clothing as described in Section 8 of this material safety data sheet.

**Environmental Precautions:** Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

**Spill Clean Up Methods:** Provide ventilation and confine spill. Do not allow runoff to sewer. Dam and absorb spillage with sand, sawdust or other absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Reference to other sections:** For personal protection, see section 8. For waste disposal, see section 13

7. **HANDLING AND STORAGE**

**Handling:** Avoid spilling, skin and eye contact. Avoid inhalation of vapors and spray mists. In use, may form flammable/explosive vapor-air mixture.

**Storage:** Store in tightly closed original container in a dry, cool and well-ventilated place.

8. **EXPOSURE CONTROL AND PERSONAL PROTECTION**
<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>STD</th>
<th>TWA (8-hrs)</th>
<th>STEL (15 min)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2 trans-dichloroethylene</td>
<td>ACGIH</td>
<td>200 ppm TLV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Protective Equipment**

- **Process Conditions**: Provide eyewash, quick drench.
- **Engineering Measures**: Provide adequate general and local exhaust ventilation.
- **Respiratory Equipment**: If ventilation is insufficient, suitable respiratory protection must be provided. Check that mask fits tight and change filter regularly.
- **Hand Protection**: Use suitable protective gloves if risk of skin contact.
- **Eye Protection**: Wear approved safety goggles.
- **Hygiene Measures**: Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.
- **Skin Protection**: Wear apron or protective clothing in case of splashes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance**: Liquid
- **Color**: Colourless.
- **Initial boiling point and boiling range**: 39 - 42°C
- **Relative density**: 1.252 @ 20°C
- **Viscosity**: 0.60 cPs @ 25°C
- **Flash point**: ASTM 56 – Does not flash

**10. STABILITY AND REACTIVITY**

- **Stability**: Stable under normal temperature conditions and recommended use. Forms an azeotrope and will not flash.
- **Conditions To Avoid**: Avoid heat, flames and other sources of ignition. Does not support combustion and will decompose when exposed to extreme conditions of heat at elevated temperatures, naked flames or incompatible materials.
- **Materials To Avoid**: Strong oxidizing substances.
- **Hazardous Decomposition Products**: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**11. TOXICOLOGICAL INFORMATION**

No information available

**12. ECOLOGICAL INFORMATION**

- **Ecotoxicity**: The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.
- **Degradability**: No data available.
Bio-accumulative potential: No data available on bio-accumulation.

Mobility: No information available.

Results of PBT and vPvB assessment: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of waste and residues in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations. Do not allow runoff to sewer, waterway or ground.

14. TRANSPORTATION INFORMATION

General: This product is not hazardous for transportation.

15. REGULATORY INFORMATION

US Federal Regulations
US State Regulations
International Inventories
EU - EINECS/ELINCS: The following ingredients are listed. 1, 1, 1, 3, 3-PENTAFLUOROBUTANE
Canada - DSL/NDSL: The following ingredients are listed. 1, 1, 1, 3, 3-PENTAFLUOROBUTANE, US - TSCA
All ingredients are listed or exempt.
Japan – MITI: The following ingredients are listed. Methyl Nonafouroisobutyl ether
Korea - KECI: The following ingredients are listed. 1, 1, 1, 3, 3-PENTAFLUOROBUTANE
China - IECSC: The following ingredients are listed. 1, 1, 1, 3, 3-PENTAFLUOROBUTANE Nonafouroisobutyl ether

16. OTHER INFORMATION

DATE: APRIL 2, 2015

DOC NO: 20012

Only trained personnel should use this material. Since empty containers retain product residue, follow label warnings, even after container is emptied. For further Health and Safety information contact: Health and Safety Officer. Each user of this product should study this SDS carefully and consult appropriate expertise as necessary to become aware of and understand the data contained in this SDS and any hazards that may be associated with this product. The information provided in this Safety Data Sheet relates only to the specific material designated herein. The user is responsible for determining the conditions of safe use of this product and for complying with all Federal, State and Local governmental laws and regulations concerning its use. Enviro Tech International, Inc. makes no warranty, express or implied, including the warranty of merchantability and fitness for a particular purpose, and assumes no liability or responsibility for the accuracy, completeness, timeliness or usefulness of this information. Enviro Tech International, Inc assumes no liability for any damages incurred, whether directly or indirectly, as a result of any errors, omissions or discrepancies in this information. Enviro Tech International, Inc assumes no liability for reliance on this data and assumes no liability for damages related to the use or misuse of this product.