

EnSolv NEXT

SAFETY DATA SHEET

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
Emergency Telephone CHEM-TEL 24-HR EMERGENCY CONTACT: U.S., CANADA, Puerto Rico, U.S.
 Virgin Islands (888) 255-3924. INTERNATIONAL CALLS: +01-813-248-0573
 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

1,2 trans-dichloroethylene	55-100%	CAS No.: 156-60-5
GHS Classification:	Flam. Liq. 2 - H225; Acute Tox. 4 - H332; Aquatic Chronic 3 - H412	
1,1,1,3,3-PENTAFLUOROBUTANE	10-40%	CAS No.: 406-58-6
GHS Classification	Flam. Liq. 2 - H225	

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

COMPONENT	STD	TWA (8-hrs)	STEL (15 min)	Notes
1,2 trans-dichloroethylene	ACGIH	200 ppm TLV		

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 Nonaflouroisobutyl 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 Nonaflouroisobutyl 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.