

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Trade name: **Ecosolvent™ - ETI 927**

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Chemical cleaning of refinery units.

### 1.3. Details of the supplier of the safety data sheet

Supplier: EnvTech INC.  
Address: 300 Edison Way, NV 89-502, Reno, USA  
Telephone No/Fax No: +1 (775) 856-2200 / +1 (775) 856-3303  
E-Mail: info@envtech.com



### 1.4. Emergency telephone number

24 hour Emergency Phone number – CHEMTREC +1 800 424 9300

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Hazard	Classification	According to Directive 1999/45/EC:	According to Regulation (EC) no. 1272/2008
for physical-chemical properties:		Not classified	Not classified
for health hazards:		Not Classified	Not Classified
for environmental hazards:		Not classified	Not classified

### 2.2. Label elements

**Hazard pictogram(s):** Not applicable

Signal word(s): **Not applicable**

**Hazard statement(s):**  
**Not applicable**

**Precautionary statement(s):**

**P280** Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3. Other hazards

Not Known.

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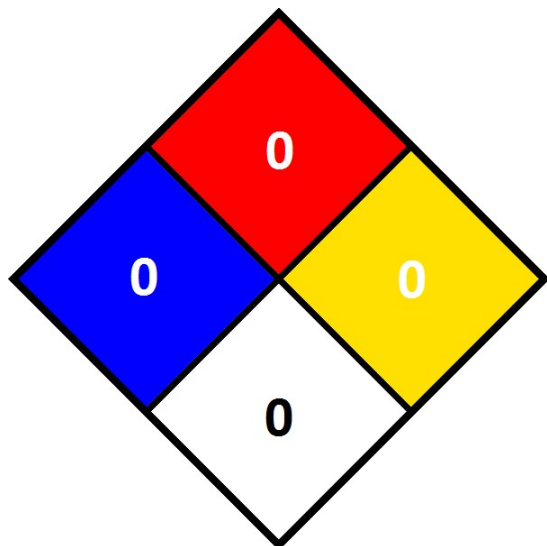
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**Classification system:**

**NFPA ratings** (Scale 0-4)

**Health** = 0

**Fire** = 0




**Reactivity** = 0

**HMIS-ratings** (Scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

 <b>NFPA Rating Explanation Guide</b>					
RATING NUMBER	HEALTH HAZARD	FLAMMABILITY HAZARD	INSTABILITY HAZARD	RATING SYMBOL	S H
4	Can be lethal	Will vaporize and readily burn at normal temperatures	May explode at normal temperatures and pressures	ALK	Alkaline
3	Can cause serious or permanent injury	Can be ignited under almost all ambient temperatures	May explode at high temperature or shock	ACID	Acidic
2	Can cause temporary incapacitation or residual injury	Must be heated or high ambient temperature to burn	Violent chemical change at high temperatures or pressures	COR	Corrosive
1	Can cause significant irritation	Must be preheated before ignition can occur	Normally stable. High temperatures make unstable	OX	Oxidizing
0					Radioactive
					Reacts explosively with water

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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## 3.2. Mixtures:

Mixture does not contain components that are hazardous for the human health and environment.

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation:

No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

#### Contact with skin:

Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

#### Contact with eyes:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

#### Ingestion:

If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

Not known

### 4.3. Indication of any immediate medical attention and special treatment needed

As a general rule, in case of doubt or if symptoms persist, always call a doctor. Do not give anything to eat or drink to an unconscious person. Do not induce vomiting. Show the safety data sheet or label/ packaging to a person providing first aid.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Unsuitable Extinguishing Media:** Not known.

### 5.2. Special hazards arising from the substance or mixture

Fire decomposition products from this product may be toxic if inhaled. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death. Take appropriate protective measures.

### 5.3. Advice for firefighters

Prevent from entering contaminated water into sewers, rivers or other bodies of water. Dispose of waste water in compliance with current legislation. People should be properly trained and equipped with proper clothing and safety equipment. Use fire resistant protective clothing, breathing apparatus and eye protection.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Use adequate personal protective equipment as required in Section 8 of the safety data sheet. Wear full protective clothing including eye/face protection. All skin areas should be covered. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

### 6.2. Environmental precautions

In the event of a major spill, prevent spillage from entering drains or water courses. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill.

### 6.3. Methods and material for containment and cleaning up

Stop leak if safe to do so, and contain spill. Collect and recover product into labeled containers for salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. Contaminated area may be neutralized by washing with weak or dilute acid. Vinegar, citrus juice and most soft drinks may be suitable. Ensure legality of disposal by consulting regulations prior to disposal.

### 6.4. Reference to other sections

Refer to Sections 8 and 13 of the safety data sheet.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Keep exposure to this product to a minimum. Use adequate personal protective equipment as required in Section 8 of the safety data sheet. The measures detailed below under sub-section 7.2 should be followed during handling in order to minimize risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

### 7.2. Conditions for safe storage, including any incompatibilities

Store packages of this product in a cool place, preferably below 30°C. Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under sub-section 10.5. Check packaging - there may be further storage instructions on the label.

### 7.3. Specific end use(s)

Not known

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

OELs and NDSCh: not applicable

DNEL: Not available      PNEC: Not available

### 8.2. Exposure controls

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

#### Appropriate engineering controls:

No special ventilation requirements are normally necessary for this product. However make sure that the work

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environment remains clean and that dusts are minimized.

## Eye/face protection:

Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

## Skin protection:

Wear suitable impervious gloves (rubber, PVC), clothes and, preferably, apron. Make sure that all skin areas are covered.

## Respiratory protection:

During normal operations with product, special protective equipment is not required.

## Thermal hazards:

Not known.

## Environmental exposure controls:

Precautions should be made against environmental contamination.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

a) Appearance	: Light yellow to clear and liquid at room temperature
b) Odour	: Light vegetable oil odor
c) Odour threshold	: Not available
d) pH	: 6,0 – 7,5 (1% solution)
e) Melting point/freezing point	: Approximately -1°C
f) Initial boiling point and boiling range	: Approximately 100°C
g) Flash point	: Not applicable
h) Evaporation rate	: Not available
i) Flammability (solid, gas)	: Does not burn
j) Upper/lower flammability or explosive limits	: Not available
k) Vapour pressure	: 1,8 mm Hg at 25°C
l) Vapour density	: Not available
m) Density	: 0,882 g/cm <sup>3</sup>
n) Solubility(ies)	: Completely soluble in water
o) Partition coefficient: n-octanol/water	: Not available
p) Auto-ignition temperature	: Not applicable - does not burn
q) Decomposition temperature	: Not available
r) Viscosity	: Not available
s) Explosive properties	: Not available
t) Oxidizing properties	: Not available

### 9.2. Other information

Not known

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Mixture is not reactive.

### 10.2. Chemical stability

Mixture is stable under normal ambient and anticipated storage and handling conditions of temperature and

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pressure.

## 10.3. Possibility of hazardous reactions

Not known.

## 10.4. Conditions to avoid

High temperature and humidity.

## 10.5. Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Not known. Hazardous combustion products are listed in Section 5 of the safety data sheet.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity:

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity:

Based on available data, the classification criteria are not met.

#### Reproductive toxicity:

Based on available data, the classification criteria are not met.

#### STOT-single exposure:

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

#### Aspiration hazard:

Based on available data, the classification criteria are not met.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Data not available

### 12.2. Persistence and degradability

Data not available

### 12.3. Bioaccumulative potential

BCF: not available.

### 12.4. Mobility in soil

Data not available

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**12.5. Results of PBT and vPvB assessment**

Not known.

**12.6. Other adverse effects**

Not known.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Recycle or dispose of waste in compliance with current legislation. This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Packaging: Recycle or dispose of waste in compliance with current legislation.

**SECTION 14. TRANSPORT INFORMATION**

- |  |                                  |
|--|----------------------------------|
| <b>14.1. UN number</b>   | None                             |
| <b>DOT.ADR,AND,IATA</b>  | Non-Regulated Material           |
| <b>IMDG</b>  | Not-Regulated                    |
| <b>14.2. UN proper shipping name</b>   | Not-Regulated for Transportation |
| <b>DOT,ADR,AND,IMDG,IATA</b>   | Non-Regulated Material           |
| <b>14.3. Transport hazard class(es)</b>  | Not-Regulated                    |
| <b>DOT,ADR,AND,IMDG,IATA,</b>  | Non-Regulated Material           |
| <b>14.4. Packing group</b>   |                                  |
| <b>DOT,ADR,IMDG,IATA</b>   | None-Regulated                   |
| <b>14.5. Environmental hazards</b>   |                                  |
| <b>Marine pollutant</b>  | No                               |
| <b>14.6. Special precautions for user</b>  | Not Applicable                   |
| <b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not Applicable                   |

**SECTION 15. REGULATORY INFORMATION**

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Safety, health and environmental regulations/legislation specific for the substance or mixture.**  
 Sara N/A  
**Section 355 (extremely hazardous substances):**  
 Substance is not listed.

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**Section 313 (Specific toxic chemical listings):**

Substance is not listed.

**TSCA (Toxic Substances Control Act):**

Substance is listed.

**Proposition 65**

**Chemicals known to cause cancer:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency):**

Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH):**

Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):**

Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration):**

Substance is not listed.

**GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms : N/A**

**Signal word Warning: NA**



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**Hazard statements :N/A**

**Precautionary statements**

Wear protective gloves/protective clothing/eye protection/face protection.  
 Wash thoroughly after handling..

**National regulations:**

Substance is not listed.

**State Right to Know**

Substance is not listed

**15.2. Chemical safety assessment**

Chemical safety assessment has not been carried out for the mixture. Classification is based on the information of the mixture's components.

**SECTION 16. OTHER INFORMATION**

**Changes made in the safety data sheet during revision:**

Not applicable

**Legend to abbreviations and acronyms used in the safety data sheet:**

- OELs Occupational Exposure Limits
- NDSch Short-term Occupational Exposure Limit (USA)
- vPvB Very persistent and very bioaccumulative (substance)
- PBT Persistent, bioaccumulative and toxic (substance)
- PNEC Predicted No Effect Concentration
- DNEL Derived No Effect Levels
- BCF Bioconcentration factor

**Literature references and sources for data:**

Regulations/legislations mentioned in sections 2 – 15 of safety data sheet. Information supplied by the manufacturer.

**List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements, which are not written out in full under Sections 2 to 15:**

**Not applicable**

**Advice on any training appropriate for workers to ensure protection of human health and the environment:**

Workers that use the product should be trained and informed about personal protection, accident procedure, etc.

*Information in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. Information provided herein serves only as guidelines for safe work, use, processing, storage, and waste management. It cannot be considered as a warranty or quality certificate. This information applies only to specific material designated and may not be suitable for such material used in combination with any other materials or in any other manner not described in this document.*