

<b>EnvTech Inc.</b> 300 Edison Way Reno, NV. 89502 USA	Revision Date: 01/12/11
Water Based Circulation Surfactant – ETI 929™	
MATERIAL SAFETY DATA SHEET (MSDS)	

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Water Based Circulation Surfactant – ETI 929™

**Manufacturer:** EnvTech, Inc. (ETI)  
300 Edison Way  
Reno, NV. 89502  
Tel. 1-877-841-9690  
1-775-856-2200

**Emergency Telephone No:** CHEMTREC 1-800-424-9300

**Application:** washing and degreasing of metal surfaces, polymer article surfaces, installations and technological equipment

**2. COMPOSITION INFORMATION ON INGREDIENTS**

**Chemical Characteristics:**  
An aqueous solution of surface active agents. The components are classified as nonhazardous. They have not been assigned CAS, WE and Index numbers. They are not listed in the Specification. In compliance with the Health and Social Welfare Minister's Regulation of 2 September 2003 concerning the criteria for and mode of classification of chemical substances and preparations, **ETI 929 has not been classified as hazardous.**

**3. HAZARDS IDENTIFICATION**

Fire hazard: ETI 929 is an inflammable liquid  
Toxic hazard: ETI 929 is a nontoxic product  
Ecotoxic hazard: ETI 929 has not been classified as hazardous to the environment

**4. FIRST AID MEASURES**

Remarks given on the label, concerning safety and use, must be observed.  
In a dubious case, a physician must be consulted and shown the label.  
Upon inhalation, the victim must be moved away from the source of exposure and into fresh air  
Upon contact with eye(s), the eye(s) must be flushed copiously with clean water (eyelid(s) must be kept open).  
Upon ingestion, clean the mouth with water and drink a considerable volume of water. Do not induce vomiting.

**5. FIRE FIGHTING MEASURES**

**Under normal conditions the ETI 929 liquid is not flammable.** In case of a fire in the surroundings area, use fire extinguishing agents suitably chosen according to the extent of the fire and to the nature and type of burning objects, like foam extinguisher, carbon dioxide (CO<sub>2</sub>), powder extinguisher, water mist, or atomized stream of water. Fire extinguishing media not suitable for use include a strong jet of water.

**Caution:**

Do not allow outsiders to approach the fire on the lee side. Remove the people that do not participate in fire fighting activities. Fire fighters must be equipped with air-purifying respirators provided with an independent air supply, and must wear protective cloths.  
The product must be prevented from getting into the sewage system. Any leak of the product that has not yet ignited, must be coated with an extinguishing foam.

**6. ACCIDENTAL RELEASE MEASURES**

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Use appropriate **PERSONAL PROTECTIVE EQUIPMENT** during clean up. Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up. Flush spill area with water.

**7. HANDLING AND STORAGE**

Procedure

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling

Storage

Store in original tight containers at temperatures exceeding 5°C (40°F). Do not store together with foodstuffs for humans or animals.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Individual Protection Measures

Respiratory Protection: Not required under normal conditions of handling

Hands: Wear protective gloves made from natural rubber or poly(vinyl chloride)

Eyes and face: Wear goggles

Skin: Wear apron or protective cloth

Observe general safety and hygiene regulations. Wash hands before and after the break.

Store ETI 929 containers far away from foodstuffs and feeds.

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Physical state:</b>	liquid	
<b>Odor:</b>	specific	
<b>Reaction (pH):</b>	8,0 - 9,0	PN-89/C-04963
<b>Boiling point:</b>	100 °C	
<b>Flash point (PMCC)</b>	-----	
<b>Density:</b>	1,040 – 1,055 g/cm <sup>3</sup>	PN-92/C-04504
<b>Solubility in water:</b>	soluble	
<b>Reactivity:</b>	very feebly reactive	

**10. STABILITY & REACTIVITY**

Stability

Preparation is stable under normal conditions of storage and handling

Reactivity

Under normal conditions will not react dangerously with other substances

Reaction with materials

Will not corrode metals

**11. TOXICOLOGICAL INFORMATION**

Provided the following conditions are observed:

(a) occupational safety and health and technical performance of working installations

(b) similar prophylaxis conditions and the recommended precautions, application of the preparation offers no hazards to operator's health and life

**12. ECOLOGICAL INFORMATION**

Toxicity towards mammals, fish, and bacteria: no data

Contamination of surface and ground waters with large amounts of ETI 929 must be avoided

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Standards defining the permissible contamination of the environment, specified in actual regulations, must be observed. ETI 929 offers no hazard to the natural environment.

### 13. DISPOSAL CONSIDERATIONS

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.. Avoid contamination of surface and ground waters.

#### Disposal of packages

Packages are returnable for multiple uses. Recovering of waste packages or rendering them harmless must be carried out in compliance with mandatory regulations.

### 14. TRANSPORT INFORMATION

- ETI 929 is not subject to the regulations concerning transportation of hazardous materials.

### 15. REGULATORY INFORMATION

**This material is packaged in agreement with the Ministry for Health Regulation of 2 September 2003 concerning labeling of the packaging of hazardous substances and dangerous preparations (The Journal of Laws No. 173, pos. 1679 and The Journal of Laws of 2004, No.280, pos. 2595)**

**This material has not been classified as a hazardous material.**

#### **Labeling of packages:**

Neither warning signs nor R-phrases are required.

Phrases defining the conditions for safe use.

S2 — keep out of reach of children

S7 — keep the container tightly closed

#### Regulations in force:

- The Act of 11 January 2001 on chemical substances and preparations (The Journal of Laws No. 11, pos. 84 with later addenda)
- Health Minister's Regulation of 2 September 2003 concerning the criteria for and mode of classification of chemical substances and preparations (The Journal of Laws No. 171, pos. 1666)
- Health Minister's Regulation of 14 December 2004 modifying the regulation concerning the MSDS for a dangerous chemical substance and a dangerous preparation (The Journal of Laws of 2005, No. 2, pos. 8)
- Health Minister's Regulation of 2 September 2003 on labeling the packagings for dangerous substances and dangerous preparations (The Journal of Laws No. 173, pos. 1679) Health Minister's Regulation of 28 September 2005 on the specification of dangerous substances, their classification and labeling (The Journal of Laws No.201, pos. 1674)
- The Act of 11 May 2001 about packagings and packaging wastes (The Journal of Laws No. 63, pos. 638)
- The Act of 11 May 2001 about undertakers' duties to reutilize some wastes and to pay product fee and deposit fee (The Journal of Laws No. 63, pos. 639)
- The Act of 27 July 2001 about the introduction of: the Act on the Law for Environmental Protection, the Act about wastes, and changes of some Acts (The Journal of Laws No. 100, pos. 1085) and later addenda
- The Act of 28 October 2002 about road transportation of dangerous goods (The Journal of Laws No. 199, pos. 1671)
- The Act of 27 April 2001 about wastes (The Journal of Laws No. 62, pos. 628)
- Health Minister's Regulation of 14 August 2002 about the obligation to provide MSDS for some preparations not classified as dangerous (The Journal of Laws No. 142, pos. 1194)
- Environmental Protection Minister's Regulation of 27 September 2001 about the Catalog of Wastes (The Journal of Laws No. 112, pos. 1206)

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- Labor and Social Policy Minister's Regulation of 29 November 2002 about the maximum permissible concentrations and intensities of factors harmful to health at workplace (The Journal of Laws No. 217, pos. 1833)
- Health and Social Welfare Minister's Regulation of 9 July 1996 concerning the examination and measurement of health hazards at workplace (The Journal of Laws of 1996, No. 86, pos. 194 and amendments *Ibid.* 2003, No. 21, pos. 180)
- Health Minister's Regulation of 13 January 2004 concerning registrable chemical substances occurring in the manufacture or in trade (The Journal of Laws No. 12, pos. 111)
- Health and Social Welfare Minister's Regulation of 11 September 1996 about cancerogens and supervision on the state of health of workers professionally exposed to such health hazards (The Journal of Laws No. 121, pos. 571 and amendments *Ibid.* 2003, No. 36, pos. 314)
- Transport and Maritime Economy Minister's Regulation of 15 June 1999 about road transportation of hazardous materials (The Journal of Laws No. 57, pos. 808 and amendments No. 14, pos. 141)
- Transportation Minister's Regulation of 6 October 1987 about the specification of hazardous things exempted from rail transportation and special conditions for hazardous materials and goods admitted for transportation (The Journal of Laws No. 32, pos. 169)
- Environment Protection, Natural Resources and Forestry Minister's Regulation of 5 November 1991 on classification of waters and requirements to be met by wastewaters discharged into waters or into soil (The Journal of Laws No. 116, pos. 503)
- Infrastructure Minister's of 20 July 2002 about the mode of realization of duties by industrial wastewaters suppliers and requirements to be met on discharging wastewaters into sewerage systems (The Journal of Laws No. 129, pos. 1108)
- Environment Minister's Regulation of 6 June 2002 about permissible levels of concentration of some substances in air and tolerance margins of the permissible concentrations for some substances (The Journal of Laws No. 87, pos. 796)

**16. OTHER INFORMATION**

The extent of updating — each chapter of this MSDS has been updated in agreement with the regulations in force in USA and UE

The information given in this MSDS refers only to the title product and cannot be transferred onto similar products. This MSDS has been prepared on the basis of our best knowledge and data available in the literature. The data contained in this MSDS should be treated solely as a help in safe application, storage and transportation.

The manufacturer assumes no responsibility for misuse of the information contained in this MSDS and for misapplication of the product.

It should be borne in mind that any product may give rise to unknown hazards and must be used carefully. Even if the well-defined hazards have been described here, no guarantee can be given that these are the only existing hazards.