

## TriPol 7510

Version 1.0  
Revision Date 19.09.2006

Print Date 18.10.2006

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name : TRIPOL 7510  
Supplier : TriSep Corporation  
93 South La Patera Lane  
Goleta, CA 93177  
USA

Emergency telephone : 1-760-602-6096  
number

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

Aqueous preparation of substances listed below with non hazardous additions.

#### Hazardous components

Nitrilotrimethylenetris(phosphonic acid) Concentration:  $\geq 10,00\%$  -  $< 20,00\%$   
CAS-No.: 6419-19-8 EC-No.: 229-146-5  
Classification: Xi; R36/38

phosphonic acid Concentration:  $\geq 1,00\%$  -  $< 4,00\%$   
CAS-No.: 13598-36-2 EC-No.: 237-066-7 Index-No.: 015-157-00-0  
Classification: Xn; R22 C; R35

For the full text of the R phrases mentioned in this Section, see Section 16.

### 3. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

Xi R36/38 Irritating to eyes and skin.

### 4. FIRST AID MEASURES

General advice : Remove from exposure, lie down. Remove to fresh air. Take off all contaminated clothing immediately.  
Inhalation : Remove to fresh air. If symptoms call a physician.  
Skin contact : Wash off immediately with plenty of water for at least 15

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|-------------|---|--|
| Eye contact | : | minutes. If skin irritation persists, call a physician.<br>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. |
| Ingestion   | : | Rinse mouth. Immediately give large quantities of water to drink. Do NOT induce vomiting. Obtain medical attention.  |
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### **5. FIRE-FIGHTING MEASURES**

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|---|---|--|
| Suitable extinguishing media                                  | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.   |
| Extinguishing media which must not be used for safety reasons | : | High volume water jet  |
| Specific hazards during fire fighting                         | : | Heating or fire can release toxic gas. Carbon monoxide; Carbon dioxide (CO <sub>2</sub> ); nitrogen oxides (NO <sub>x</sub> ); Oxides of phosphorus; phosphine |
| Special protective equipment for fire-fighters                | : | In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)   |
| Additional advice   | : | Cool closed containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.    |
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### **6. ACCIDENTAL RELEASE MEASURES**

- |                           |   |   |
|---------------------------|---|---|
| Personal precautions      | : | Use personal protective equipment. Keep people away from and upwind of spill/leak. Provide adequate ventilation. Avoid contact with skin and eyes. Do not inhale gas/smoke/vapour/aerosol.          |
| Environmental precautions | : | Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.                          |
| Methods for cleaning up   | : | Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Dispose of as special waste in compliance with local and national regulations. |
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### **7. HANDLING AND STORAGE**

#### **Handling**

- |   |   |  |
|---|---|--|
| Advice on safe handling                         | : | Keep container tightly closed. Provide sufficient air exchange and/or exhaust in work rooms. |
| Advice on protection against fire and explosion | : | Cool closed containers exposed to fire with water spray.                                     |
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### **Storage**

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Keep away from heat.  
Other data : No decomposition if stored and applied as directed.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.  
Hand protection : Gloves; As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. Protective gloves should be replaced at first signs of wear.  
Eye protection : Tightly fitting safety goggles  
Body Protection : impervious clothing  
Hygiene measures : Take off all contaminated clothing immediately. Do not inhale gas/smoke/vapour/aerosol. Avoid contact with the skin and the eyes. Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

### **Engineering measures**

Refer to protective measures listed in sections 7 and 8.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance**

Form : liquid  
Colour : clear to cloudy  
Odour : mild

### **Safety data**

Boiling point/range : 105 °C  
Flash point : not applicable  
Density : ca. 1,1 g/cm<sup>3</sup>  
Water solubility : miscible

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pH : ca. 2

### 10. STABILITY AND REACTIVITY

Materials to avoid : Strong oxidizing agents  
Hazardous decomposition products : Carbon oxides; nitrogen oxides (NO<sub>x</sub>); Oxides of phosphorus; phosphine  
General advice : No decomposition if used as directed.

### 11. TOXICOLOGICAL INFORMATION

Ingestion : Nitrilotrimethylenetris(phosphonic acid): LD50 rat > 3.000 mg/kg  
phosphonic acid: LD50 rat 1.720 mg/kg OECD Test Guideline 401;  
Skin Absorption : Nitrilotrimethylenetris(phosphonic acid): LD50 rabbit > 6.000 mg/kg  
Skin contact : Irritating to skin.  
Eye contact : Irritating to eyes.  
Sensitization : No sensitizing effect known.

### 12. ECOLOGICAL INFORMATION

#### Elimination information (persistence and degradability)

Bioaccumulation : Bioaccumulation is not expected.

#### Ecotoxicity effects

Toxicity to fish : LC50 Oncorhynchus mykiss (rainbow trout) > 330 mg/l 96 h  
Toxicity to daphnia : EC50 Daphnia magna 297 mg/l 48 h  
Toxicity to algae : EC50 Selenastrum capricornutum 20 mg/l 96 h

#### Further information on ecology

Additional ecological information : Information refers to the main component.

### 13. DISPOSAL CONSIDERATIONS

Product : Disposal together with normal waste is not allowed. Do not let product enter drains. Dispose of in accordance with local regulations.

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- Packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

### 14. TRANSPORT INFORMATION

<b>ADR</b>	: UN-No.	<b>3265</b>
	Class	8
	Packaging group	III
	Classification Code	C3
	ADR/RID-Labels	8
	Risk No.	80
	Description of the goods	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phosphonic acid)
<b>RID</b>	: UN-No.	<b>3265</b>
	Class	8
	Packaging group	III
	Classification Code	C3
	ADR/RID-Labels	8
	Risk No.	80
	Description of the goods	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phosphonic acid)
<b>IMDG</b>	: UN-No.	<b>3265</b>
	Class	8
	Packaging group	III
	ADR/RID-Labels	8
	EmS	F-A, S-B
	Description of the goods	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phosphonic acid)

### 15. REGULATORY INFORMATION

#### Labelling according to EC Directives

The product is classified and labelled in accordance with EC directives or respective national laws.

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Xi Irritant

R-phrases	R36/38	Irritating to eyes and skin.
S-phrases	S24/25 S26	Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37	Wear suitable gloves.

### National legislation

WGK (DE)	:	WGK:1; slightly water endangering; Self-classification according VwVwS of 17 May 1999, Annex 4
Major Accident Hazard Legislation	:	Does not fall under the German StörfallV. -

## 16. OTHER INFORMATION

### Full text of R-phrases referred to under sections 2 and 3

R22	Harmful if swallowed.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.

### Further information

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

# Indicates updated section.