

Printing date 23.06.2006

Reviewed on 23.06.2006





## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Suprotex® TSA
- **Article number:** 110320
- **Application of the substance / the preparation** Vulcanisation agent
- **Manufacturer/Supplier:**  
 Weserland GmbH  
 P.O. Box 21 04 80, 30404 Hannover, Germany  
 Hansastrasse 9 - 17, 30419 Hannover, Germany  
 Tel.: +49(0) 511 / 97997-0 / Fax: +49(0) 511 / 97997-70  
 e-mail: info@weserland.eu  
 internet: www.weserland.eu
- **Further information obtainable from:** Quality / environmental department

## 2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Aqueous mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 1314-13-2 EINECS: 215-222-5	zinc oxide  N; R 50/53	> 15 bis 30%
CAS: 155-04-4 EINECS: 205-840-3	2-Mercaptobenzothiazol, Zinksalz  Xi; R 43	> 5 bis 15%
CAS: 14324-55-1 EINECS: 238-270-9	zinc bis(diethyldithiocarbamate)  Xn,  N; R 22-36/37/38-43-50/53	< 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Hazard description:**



Xi Irritant  
 N Dangerous for the environment

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43 May cause sensitisation by skin contact.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 4 First aid measures

- **General information:** Take affected persons out of danger area. Remove any clothig soiled by the product.
- **After inhalation:** Supply fresh air and to be sure call for a doctor.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
 Rinse out mouth and then drink plenty of water.

(Contd. on page 2)

Printing date 23.06.2006

Reviewed on 23.06.2006

Trade name: Suprotex® TSA

Seek medical advice immediately show this material safety data sheet.

(Contd. of page 1)

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
In case of fire be aware of formation of noxious fumes.
- **Additional information**  
Being an aqueous system, product itself does not burn. Fire extinguishing measures to be adopted to ambient fire.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store dry and cool, protect from frost.  
+5 - +30°C
- **Storage class:** Storage classification (VCI-D): 12 Non-combustible liquids.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
Rubber gloves  
(EN 374)

(Contd. on page 3)

Printing date 23.06.2006

Reviewed on 23.06.2006

**Trade name: Suprotex® TSA**

(Contd. of page 2)

· **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

(EN 166)

· **Body protection:**

Protective work clothing

(EN 344)

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Liquid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Characteristic

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 100°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** ~ 1.2 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value at 20°C:** 9 - 10

· **Viscosity:**  
**Dynamic at 20°C:** 150 - 250 mPas

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**1314-13-2 zinc oxide**

Oral	LD50	15000 mg/kg (rat)
------	------	-------------------

**14324-55-1 zinc bis(diethylthiocarbamate)**

Oral	LD50	2450 mg/kg (rat)
------	------	------------------

· **Primary irritant effect:**

· **on the skin:** No data available.

· **Sensitization:** Sensitization possible through skin contact.

(Contd. on page 4)

Printing date 23.06.2006

Reviewed on 23.06.2006

**Trade name: Suprotex® TSA**

(Contd. of page 3)

**· Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

## 12 Ecological information

**· Ecotoxicological effects:**
**· Remark:** Toxic for fish

**· General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

## 13 Disposal considerations

**· Product:**
**· Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**· Uncleaned packaging:**
**· Recommendation:** Disposal must be made according to official regulations.

**· Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

**· Land transport ADR/RID (cross-border)**

**· ADR/RID class:** 9 Miscellaneous dangerous substances and articles.

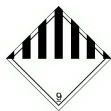
**· Danger code (Kemler):** 90

**· UN-Number:** 3082

**· Packaging group:** III

**· Hazard label:** 9

**· Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

**· Maritime transport IMDG:**

**· IMDG Class:** 9

**· UN Number:** 3082

**· Label** 9

**· Packaging group:** III

**· EMS Number:** F-A,S-F

**· Marine pollutant:** Yes

(Contd. on page 5)

Printing date 23.06.2006

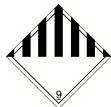
Reviewed on 23.06.2006

Trade name: Suprotex® TSA

(Contd. of page 4)

· **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 9

· **UN/ID Number:** 3082

· **Label:** 9

· **Packaging group:** III

· **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

### 15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xi Irritant

N Dangerous for the environment

· **Hazard-determining components of labelling:**

zinc oxide

2-Mercaptobenzothiazol, Zinksalz

· **Risk phrases:**

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:** Quality / environmental department

· **Contact:** Mr. Ehrle