

# EC Safety Data Sheet (according to 91/155/EEC)



|                      |                        |                       |                   |                       |
|----------------------|------------------------|-----------------------|-------------------|-----------------------|
| <b>Product name:</b> | <b>Hardener Powder</b> |                       |                   | <b>Issue No. 0003</b> |
| <b>Issued on:</b>    | <b>16/07/2003</b>      | <b>Printing date:</b> | <b>16/07/2003</b> | Page 1 of 5           |

## 1. Substance-/Preparation and company name

**Details of the product**  
(Product name and use): Hardener Powder;  
Additive for injection material for waterproofing of building structures

### Information about manufacturer/supplier

|                        | <b>Germany</b>                              | <b>Switzerland</b>                                |
|------------------------|---|---|
| Manufacturer/Supplier: | Tricosal GmbH                               | Tricosal BBZ AG                                   |
| Address:               | Von-Helmholtz-Str. 1<br>D-89257 Illertissen | Gewerbezentrum Rotfarb<br>9213 Hauptwil (Schweiz) |
| Telephone:             | + 49 (0) 73 03 180 - 0                      | +41 (0) 71 422 1111                               |
| Telefax:               | + 49 (0) 73 03 180 280                      | +41 (0) 71 422 5815                               |
| Information Line:      | + 49 (0) 73 03 180 - 0                      | +41 (0) 71 422 1111                               |
| E-mail                 | info@tricosal.de                            | info@bbz-ag.ch                                    |
| URL                    | www.tricosal.de                             |   |

## 2. Composition / Information on ingredients

**Chemical composition:** Sodium Persulphate (Sodiumperoxodisulphate)

### Hazardous ingredients

| CAS-No.   | Name of substance  | Content | Symbol | R--phrases             |
|-----------|--------------------|---------|--------|------------------------|
| 7775-27-1 | Sodium Persulphate | 100 %   | O; Xn  | 8; 22; 36/37/38; 42/43 |

## 3. Possible Hazards

**Identification of hazard:** Xn harmful; O oxidising  
**Information concerning hazards for man and environment:** Fire hazard if exposed to combustible material;  
Harmful if swallowed; irritating to eyes, respiratory organs and skin; may cause sensitisation by inhalation or skin contact; symptoms: coughs, breathlessness, irritation to respiratory organs

This classification system complies with the current EC-lists and company information.

## 4. First aid measures

**General advice:** Immediately remove contaminated and soaked clothing; keep data sheet ready for doctor

**After inhalation:** Remove person immediately from the danger zone; supply fresh air; seek medical advice; late reaction due to exposition is to be expected

**After skin contact:** Wash skin with soap and water.

**After eye contact:** Rinse immediately with plenty of clean water for at least 10 min.; seek medical advice.

**After ingestion:** Immediately rinse mouth; drink plenty of water subsequently, do not induce vomiting

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**5. Fire Fighting Measures**

|   |   |
|---|---|
| <b>Suitable extinguishing media:</b>  | Water spray, extinguishing powder, CO <sub>2</sub> (Carbon Dioxide).  |
| <b>Non-suitable extinguishing agent (for safety reason):</b>                                | Water jet spray.  |
| <b>Particular hazards caused by the substance, combustion products or developing gases:</b> | Toxic and irritant burnt gases, carbon oxide, sulphur oxide, oxygen and explosion-capable dust / air-mixtures can form in case of fire. |
| <b>Special Protective equipment:</b>  | Wear self-contained breathing apparatus in case of fire. Follow the standard safety measures for handling chemicals in case of fire.    |

**6. Accidental release measures**

|  |   |
|--|---|
| <b>Personal precautions:</b>               | Wear protective equipment; remove sources of ignition; do not smoke; keep material away from combustible or incompatible substances; ventilate well; avoid dust formation and all contact with product (hands and eyes, inhalation) |
| <b>Environmental precautions:</b>          | Do not allow entering drains, sewers, watercourses and soil.  |
| <b>Measures for cleaning / collection:</b> | Remove mechanically; dispose in accordance with local regulations; deposit possible dust with water.  |

**7. Handling and storage**

|  |   |
|--|---|
| <b>Handling:</b>                                   |   |
| <b>Directions for safe handling:</b>               | Wear personal protection equipment, protect from sources of ignition, do not smoke, provide for good ventilation (e.g. use suitable exhaust system).  |
| <b>Directions to prevent fire and explosions:</b>  | Beware of dust explosion risk; may ignite combustible materials; avoid dust development and sources of ignition; provide for good ventilation.  |
| <b>Storage:</b>                                    |   |
| <b>Requirements for warehouses and containers:</b> | Do not store together with highly inflammable, inflammable and self- inflammable substances; keep product only in original and tightly closed packing, store under cool conditions, recommended storage temperature <30°C; keep out of reach of children. |
| <b>Further information for storage conditions:</b> | Not available   |

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## 8. Exposure controls and personal protection

Engineering control measures: Ventilation (see paragraph 7)  
Occupational exposure limits (Germany):

| CAS-No. | Name of substance | Type | Value | Unit              |
|---------|-------------------|------|-------|-------------------|
| -       | Dust              | MAK  | 6     | mg/m <sup>3</sup> |

### Personal protective equipment

**Breathing protection:** Use respirator in case of dust formation (filter class P 1)  
**Hand protection:** Chemical resistant protective gloves (e.g. nitrile rubber).  
**Eye Protection:** Tight fitting safety goggles.  
**Body protection:** Normal working clothes.  
**Hygiene at working place:** Keep away from food and beverages, wash hands before breaks and at the end of working day. Do not eat, drink or smoke during working.

## 9. Physical and chemical properties

**Physical state:** powder      **Colour:** white      **Odour:** not applicable

### Value / Unit

**Change in condition:**  $\geq 60^{\circ}\text{C}$  (decomposition)  
**Density (at 20°C):** 2,55 g/ml  
**Bulk density:** Approx. 1200 kg/m<sup>3</sup>  
**Vapour pressure (at 20°C):** Not applicable  
**Solubility in water (at 20°C):** Miscible  
**pH-value at 30 g/l water (at 20°C):** Approx. 4  
**Oxidising characteristics:** Yes  
**Explosion hazard:** Not data available  
**Solid contents:** 100 %

## 10. Stability and reactivity

**Conditions and substances to avoid:** Self-ignition is possible in presence of moisture, heat sources and oxidising substances; keep away from inflammable, highly inflammable and self-igniting substances; protect from open flames; protect from heat; decomposes if heated; avoid contact with other chemicals (e.g. inflammable materials, alcohol, strong acids, strong alkalis, oxidising materials, reducing agents, see also item 7).

**Hazardous decomposition products:** None if properly used and stored, see also item 5.

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## 11. Toxicological information

**Primary irritant effect (skin, eyes):** Irritant in contact with skin, eyes and respiratory system.  
**Sensitisation:** Possible by inhalation or skin contact  
**Additional information:** Harmful if swallowed; LD<sub>50</sub> rat oral (mg/kg): 895 –1000

## 12. Ecological information

**Degradability:** Not determined  
**Further ecological information:** Do not release product into environment.  
**Further ecological data:** Not available.

## 13. Disposal considerations

**Product:**  
**Recommendation:** If recycling is not possible, disposal in accordance with local and official regulations.

**Uncleaned packaging**  
**Recommendation:** Disposable in accordance with local and official regulations.

## 14. Transport information

**Land transport:**  
ADR / RID: Class: 5.1  
Packing group: III  
UN-Number: 1505  
Transport name: Sodium Persulphate



**Sea transport**  
IMDG / IMO Class: 5.1  
Packing group: III  
UN-Number: 1505  
Transport name: Sodium Persulphate  
Marine pollutant: No  
EmS: 5.1-06



**Air transport**  
ICAO / IATA: Class: 5.1  
Packing group: III  
UN-Number: 1505  
Transport name: Sodium Persulphate



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## 15. Regulatory information

Identification according to EC directives



**Code letter and hazard designation of the product:** O oxidising; Xn harmful  
**Relevant component for hazardous goods labelling:** Contains Sodium Persulphate  
EINECS-No.: 231-892-1

**R-phrases:**

- 8 Contact with combustible material may cause fire.
- 22 Harmful if swallowed.
- 36/37/38 Irritating to eyes, respiratory system and skin
- 42/43 May cause sensitisation by inhalation and skin contact.

**S-phrases:**

- 22 Do not breathe dust.
- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 37 Wear suitable gloves.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## National regulations

**German WGK** 1 (own classification)

**Swiss Federal Office of Public Health:** BAG T-No. 691884, poisonous category 4

## 16. Other information

Relevant code letter and hazard designation of the product, see section 2:

R 8 Contact with combustible material may cause fire.  
R 22 Harmful if swallowed.  
R 36/37/38 Irritating to eyes, respiratory system and skin  
R 42/43 May cause sensitisation by inhalation and skin contact.

Changes in comparison with the previous version are marked at the margin with a line

*The information of this MSDS is based on the present state of our knowledge. The users working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction.*

*It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product and is not to be considered as a guarantee of product properties.*