

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Name of product RUBBERTITE BII-Komponente

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

No information available.

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

Manufacturer/distributor TPH Bausysteme GmbH  
Nordportbogen 8, D-22848 Norderstedt  
Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66  
78-78  
E-Mail info@tph-bausysteme.com  
Internet www.tph-bausysteme.com

### Advice

E-mail (competent person):  
sdb-info@tph-bausysteme.com

### 1.4. Emergency telephone number

Emergency advice GIZ-Nord  
Phone +49 (0)551 / 19240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
| Ox. Sol. 3                           | H272              |                          |
| Acute Tox. 4                         | H302              |                          |
| Skin Irrit. 2                        | H315              |                          |
| Eye Irrit. 2                         | H319              |                          |
| Resp. Sens. 1                        | H334              |                          |
| Skin Sens. 1                         | H317              |                          |
| STOT SE 3                            | H335              |                          |

#### Hazard statements for physical hazards

H272 May intensify fire; oxidiser.

#### Hazard statements for health hazards

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.

#### Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

### 2.2. Label elements

## Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS03



GHS07



GHS08

### Signal word

Danger

### Hazard statements for physical hazards

H272 May intensify fire; oxidiser.

### Hazard statements for health hazards

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

### Precautionary Statements

#### Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P262 Do not get in eyes, on skin, or on clothing.

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

#### Response

P302 + P352 IF ON SKIN: Wash with plenty of water/soap.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Hazardous ingredients for labeling

disodium-peroxodisulphate

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Description

Hardener

#### Hazardous ingredients

| CAS No    | EC No     | Name                      | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]  |
|-----------|-----------|---------------------------|------------|---|
| 7775-27-1 | 231-892-1 | disodium-peroxodisulphate | 50 - 100   | Ox. Sol. 3, H272 / Acute. Tox. 4, H302 / Eye Irrit. 2, H319 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Resp. Sens. 1, H334 / Skin. Sens. 1, H317 |

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**REACH**

| CAS No    | Name                      | REACH registration number |
|-----------|---------------------------|---------------------------|
| 7775-27-1 | disodium-peroxodisulphate | 01-2119495975-15-xxxx     |

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove contaminated soaked clothing immediately.  
Adhere to personal protective measures when giving first aid.  
Take away from danger area and lay down affected person.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.  
In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off with soap and water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

Medical treatment by eye specialist.  
In case of contact with eyes rinsing with plenty of lukewarm water carefully and seek for medical treatment.

**In case of ingestion**

Do not induce vomiting.  
Call for a doctor immediately.  
Rinse out mouth and give plenty of water to drink.

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

**Physician's information / possible symptoms**

Asthmatic complaints  
Allergic symptoms

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

**Treatment (Advice to doctor)**

Treat symptoms.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam  
Water spray jet

**Unsuitable extinguishing media**

dry powder  
carbon dioxide  
Full water jet

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

In case of fire formation of dangerous gases possible.  
In the event of fire the following can be released:  
Sulfur oxide

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### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.  
Wear full protective clothing.

#### **Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

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## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Keep people away and stay on the upwind side.  
Avoid dust formation.  
Use personal protective clothing.

### **6.2. Environmental precautions**

Do not discharge into surface waters/groundwater.  
Do not discharge into the drains/surface waters/groundwater.  
Do not discharge into the subsoil/soil.

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

Take up mechanically and send for disposal.

#### **Additional Information**

Informations for personal protective equipment see chapter 8.

### **6.4. Reference to other sections**

No information available.

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid the formation and deposition of dust.  
Do not return residues to the storage containers.

#### **General protective measures**

Avoid contact with eyes and skin  
Do not inhale dust.

#### **Hygiene measures**

At work do not eat, drink and smoke.  
Remove soiled or soaked clothing immediately.  
Keep away from food and drink.  
Wash hands before breaks and after work.

#### **Advice on protection against fire and explosion**

Substance/product in the dry state supports fire.  
Keep at a distance of combustible materials.

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

#### **Requirements for storage rooms and vessels**

Keep in closed original container.  
Prevent penetration into the ground.  
Do not use metallic container.

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**Advice on storage compatibility**

Do not store with combustible materials.  
Do not store together with metals.

**Further information on storage conditions**

Protect from direct solar radiation.  
Protect from wetness.  
Protect of heat.  
Product is hygroscopic.  
Protect from contamination.

**Information on storage stability**

Storage time: 12 months.

**Storage group** 5.1B

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**DNEL-/PNEC-values**

**DNEL worker**

| CAS No    | Substance name            | Value                    | Code                                     | Remark |
|-----------|---------------------------|--------------------------|--|--------|
| 7775-27-1 | disodium-peroxodisulphate | 2,248 mg/cm <sup>2</sup> | DNEL acute dermal, short-term (local)    |        |
|           |                           | 590 mg/m <sup>3</sup>    | DNEL acute inhalative (systemic)         |        |
|           |                           | 400 mg/kg bw/day         | DNEL acute dermal, short-term (systemic) |        |
|           |                           | 0,102 mg/cm <sup>2</sup> | DNEL long-term dermal (local)            |        |
|           |                           | 2,06 mg/m <sup>3</sup>   | DNEL long-term inhalative (systemic)     |        |
|           |                           | 18,2 mg/kg bw/day        | DNEL long-term dermal (systemic)         |        |
|           |                           | 2,06 mg/m <sup>3</sup>   | DNEL acute inhalative (local)            |        |

**DNEL Consumer**

| CAS No    | Substance name            | Value                    | Code                                     | Remark |
|-----------|---------------------------|--------------------------|--|--------|
| 7775-27-1 | disodium-peroxodisulphate | 30 mg/kg bw/day          | DNEL short-term oral (acute)             |        |
|           |                           | 1,03 mg/m <sup>3</sup>   | DNEL long-term inhalative (local)        |        |
|           |                           | 295 mg/m <sup>3</sup>    | DNEL acute inhalative (local)            |        |
|           |                           | 1,124 mg/cm <sup>2</sup> | DNEL acute dermal, short-term (local)    |        |
|           |                           | 295 mg/m <sup>3</sup>    | DNEL acute inhalative (systemic)         |        |
|           |                           | 200 mg/kg bw/day         | DNEL acute dermal, short-term (systemic) |        |
|           |                           | 0,051 mg/cm <sup>2</sup> | DNEL long-term dermal (local)            |        |

**DNEL-/PNEC-values (continued)**

| CAS No | Substance name | Value            | Code                                 | Remark |
|--------|----------------|------------------|--------------------------------------|--------|
|        |                | 1,03 mg/m3       | DNEL long-term inhalative (systemic) |        |
|        |                | 9,1 mg/kg bw/day | DNEL long-term dermal (systemic)     |        |
|        |                | 9,1 mg/kg bw/day | DNEL long-term oral (repeated)       |        |

**PNEC**

| CAS No    | Substance name            | Value        | Code                              | Remark |
|-----------|---------------------------|--------------|-----------------------------------|--------|
| 7775-27-1 | disodium-peroxodisulphate | 0,0763 mg/l  | PNEC aquatic, freshwater          |        |
|           |                           | 0,011 mg/l   | PNEC aquatic, marine water        |        |
|           |                           | 0,275 mg/kg  | PNEC sediment, freshwater         |        |
|           |                           | 0,0396 mg/kg | PNEC sediment, marine water       |        |
|           |                           | 0,015 mg/kg  | PNEC soil                         |        |
|           |                           | 3,6 mg/l     | PNEC sewage treatment plant (STP) |        |

**Additional advice**

no

**8.2. Exposure controls**

**Respiratory protection**

If ventilation insufficient, wear respiratory protection.

Particle filter P2

**Hand protection**

Synthetic rubber gloves

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective overalls

**Appropriate engineering controls**

no

**SECTION 9: Physical and chemical properties**

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

**Appearance**

crystalline

**Colour**

white

**Odour**

odourless

**Odour threshold**

not determined

**Important health, safety and environmental information**

|                 | Value   | Temperature | at | Method | Remark |
|-----------------|---------|-------------|----|--------|--------|
| <b>pH value</b> | ca. 4,3 | 20 °C       |    | 10 g/l |        |

|  | Value               | Temperature | at | Method         | Remark  |
|--|---------------------|-------------|----|----------------|---------|
| <b>Acid number</b>                                       | not applicable      |             |    |                |         |
| <b>boiling point</b>                                     | not applicable      |             |    |                |         |
| <b>melting point</b>                                     | > 180 °C            |             |    |                |         |
| <b>Flash point</b>                                       | not applicable      |             |    |                |         |
| <b>Vapourisation rate</b>                                | not determined      |             |    |                |         |
| <b>Flammable (solid)</b>                                 | not applicable      |             |    |                |         |
| <b>Flammability (gas)</b>                                | not applicable      |             |    |                |         |
| <b>Ignition temperature</b>                              | not determined      |             |    |                |         |
| <b>Self ignition temperature</b>                         | no                  |             |    |                |         |
| <b>Lower explosion limit</b>                             | not applicable      |             |    |                |         |
| <b>Upper explosion limit</b>                             | not applicable      |             |    |                |         |
| <b>Vapour pressure</b>                                   | not applicable      |             |    |                |         |
| <b>Relative density</b>                                  | 2 g/cm <sup>3</sup> | 20 °C       |    |                |         |
| <b>Bulk density</b>                                      | not determined      |             |    |                |         |
| <b>Vapour density</b>                                    | not applicable      |             |    |                |         |
| <b>Solubility in water</b>                               | 545 g/l             | 20 °C       |    |                | soluble |
| <b>Solubility/other</b>                                  |                     |             |    | not determined |         |
| <b>Partition coefficient n-octanol/water (log P O/W)</b> | not applicable      |             |    |                |         |
| <b>Decomposition temperature</b>                         | not determined      |             |    |                |         |
| <b>Viscosity dynamic</b>                                 | not applicable      |             |    |                |         |
| <b>Viscosity kinematic</b>                               | not applicable      |             |    |                |         |
| <b>Solvent separation test</b>                           | not applicable      |             |    |                |         |
| <b>Solvent content</b>                                   | no                  |             |    |                |         |
| <b>Water content</b>                                     | not determined      |             |    |                |         |
| <b>Solids content</b>                                    | 100 %               |             |    |                |         |
| <b>Combustion value</b>                                  | No data available   |             |    |                |         |

**Oxidising properties**

yes

**Explosive properties**

no

**9.2. Other information**

Product effects hygroscopic.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

None, if handled according to order.

**10.5. Incompatible materials**

**Substances to avoid**

Reactions with acids.

Reactions with impurities.

Reactions with reducing agents.

Reactions with organic substances.

Reactions with various metals.

Reactions with alkalis.

**10.6. Hazardous decomposition products**

Sulphur trioxide

Sulphurous oxides (SO<sub>x</sub>)

Sulphuric acid

Oxygen

**Thermal decomposition**

Remark No decomposition if used as directed.

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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

|                          | Value/Validation | Species      | Method   | Remark                                  |
|--------------------------|------------------|--------------|----------|---|
| <b>LD50 acute oral</b>   | 700 mg/kg        | rat (female) | OECD 401 | Information concerns to main component. |
| <b>LD50 acute dermal</b> | > 2000 mg/kg     | rat          |          |   |



|   | Value/Validation                                    | Species             | Method   | Remark |
|---|---|---------------------|----------|--------|
| <b>LC50 acute inhalation</b>            | > 5,1 mg/l (4 h)                                    | rat (male / female) | OECD 403 |        |
| <b>Skin irritation</b>                  | irritant  |                     |          |        |
| <b>Eye irritation</b>                   | irritant  |                     |          |        |
| <b>Skin sensitization</b>               | Sensitizing in the maximum-dose test on guinea pigs |                     |          |        |
| <b>Sensitization respiratory system</b> | sensitizing   |                     |          |        |

**Subacute Toxicity - Carcinogenicity**

|                              | Value          | Species | Method | Validation |
|------------------------------|----------------|---------|--------|------------|
| <b>Subacute Toxicity</b>     | not determined |         |        |            |
| <b>Subchronic Toxicity</b>   | not determined |         |        |            |
| <b>Chronic Toxicity</b>      | not determined |         |        |            |
| <b>Mutagenicity</b>          | not determined |         |        |            |
| <b>Reproduction-Toxicity</b> | not determined |         |        |            |
| <b>Carcinogenicity</b>       | not determined |         |        |            |

**Specific target organ toxicity (single exposure)**

May cause respiratory irritation.

**Specific target organ toxicity (repeated exposure)**

No indications of critical properties.

**Aspiration hazard**

No data available

**Toxicity test (Additional information)**

no

**Experiences made from practice**

Frequent persistent contact with the skin may cause skin irritation.

**Additional information**

Toxicological data refer to waterfree substance.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

|                 | Value                 | Species                         | Method | Validation |
|-----------------|-----------------------|---------------------------------|--------|------------|
| <b>Fish</b>     | LC50 76,3 mg/l (96 h) | Oncorhynchus mykiss             |        |            |
| <b>Daphnia</b>  | EC50 120 mg/l (48 h)  | Daphnia magna                   |        |            |
| <b>Algae</b>    | EC50 83,7 mg/l (72 h) | Pseudokirchneriella subcapitata |        |            |
| <b>Bacteria</b> | EC10 36 mg/l (18 h)   |                                 |        |            |

### 12.2. Persistence and degradability

|  | Elimination rate | Method of analysis | Method | Validation |
|--|------------------|--------------------|--------|------------|
| <b>Physico-chemical degradability</b>  | not determined   |                    |        |            |
| <b>Biological degradability</b>        | not determined   |                    |        |            |
| <b>Degradability</b>                   | not determined   |                    |        |            |
| <b>Biological eliminability</b>        | not determined   |                    |        |            |
| <b>Degradability according to WRMG</b> | not determined   |                    |        |            |

### 12.3. Bioaccumulative potential

not determined

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

#### Behaviour in sewage plant

not determined

#### Respiration inhibition of activated sludge

|              | Value          | Method | Remark |
|--------------|----------------|--------|--------|
| <b>EC 50</b> | not determined |        |        |

#### Additional ecological information

|           | Value             | Method | Remark |
|-----------|-------------------|--------|--------|
| <b>OC</b> | No data available |        |        |

|            | Value             | Method | Remark |
|------------|-------------------|--------|--------|
| <b>COD</b> | No data available |        |        |
| <b>BOD</b> | No data available |        |        |
| <b>AOX</b> | No data available |        |        |

**General regulation**

Product is not allowed to be discharged into the ground water or aquatic environment.  
 Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

**SECTION 14: Transport information**

|   | ADR/RID  | IMDG   | IATA-DGR                                       |
|---|--|--|--|
| <b>14.1. UN number</b>                  | 1505   | 1505   | 1505   |
| <b>14.2. UN proper shipping name</b>    | SODIUM PERSULPHATE (disodium-peroxodisulphate) | SODIUM PERSULPHATE (disodium-peroxodisulphate) | Sodium persulphate (disodium-peroxodisulphate) |
| <b>14.3. Transport hazard class(es)</b> | 5.1  | 5.1  | 5.1  |
| <b>14.4. Packing group</b>              | III  | III  | III  |
| <b>14.5. Environmental hazards</b>      | No   | No   | No   |

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available.

**Land and inland navigation transport ADR/RID**

Hazard label(s) 5.1  
 tunnel restriction code E  
 Classification code O2

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

#### Other regulations, restrictions and prohibition regulations

ZH 1/118 "Working with health hazard substances (for the workers) (M 050)"

MAL-Code: 3-5 (Denmark)

MAL-kode (Denmark): 00-3 (Ready-for-use mixture)

ZH 1/129 "Data Sheet: Irritating substances / corrosive substances (M 004)"

**Water hazard class** 1 list substance

### 15.2. Chemical Safety Assessment

No information available.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

- H272 May intensify fire; oxidiser.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.