

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2010

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Revision: 23.11.2010

### 1 Identification of substance:


- **Product details:**
- **Trade name: PRECURED TREADS**
- **\*Article number:** K\_BASE, K\_TECH, K\_PLUS, K\_ECON ;
- **Application of the substance / the preparation:** Retreading
- **Manufacturer/Supplier:**  
 \*Kraiburg Austria GmbH & Co.KG  
 Webersdorf 11  
 A-5132 Geretsberg  
 Tel.: 07748-7241-307  
 E-Mail: info@kraiburg.co.at
- **Informing department:** Product safety department
- **\* Emergency information:** +43 (0) 7748-7241-307 8:00 - 16:00

### 2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment**  
 No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
- **Classification system**  
 The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Vulcaniced compounds
- **components:**

CAS: 1314-13-2	zinc oxide	 N R; 50/53	< 3.5%
EINECS: 215-222-5			

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

### 4 First aid measures

- **General information** No special measures required.
- **After skin contact**  
 Instantly wash with water and soap and rinse thoroughly.  
 If skin irritation continues, consult a doctor.
- **After eye contact**  
 Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
 Foam

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CO<sub>2</sub>

Fire-extinguishing powder

Water spray jet

**Special hazards caused by the material, its products of combustion or resulting gases:**

Can be released in case of fire

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)Sulphur oxides (SO<sub>x</sub>)Nitrous gases (NO<sub>x</sub>).

Poisonous gases/vapours

Irritant gases/vapours

Corrosive gases/vapours

Inflammable gases/vapours

**Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

### 6 Accidental release measures

**Person-related safety precautions:**

Wear protective clothing.

Ensure adequate ventilation

Avoid contact with the eyes and skin.

Keep away from ignition sources

**Measures for environmental protection:**

Do not allow to enter drainage system, surface or ground water.

**Measures for cleaning/collecting:**

Collect mechanically.

Dispose of the material collected according to regulations.

**Additional information:** See Section 7 for information on safe handling

### 7 Handling and storage

**Handling****Information for safe handling:**

Avoid contact with the eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

**Storage****Requirements to be met by storerooms and containers:** Store in cool location.**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:**

Store under dry conditions.

Protect from heat and direct sunlight.

**Specific applications** Storage class: 11 (VCI-concept)

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### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:**  
Ensure good ventilation/exhaustion at the workplace.
- **Components 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.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and feed.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.  
Do not eat, drink or smoke while working.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**  
Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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:** No special precautions necessary if used correctly.

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Solid.
<b>Colour:</b>	Black
<b>Odour:</b>	Characteristic

#### · Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined

· **Flash point:** > 200°C

· **Ignition temperature:** > 200°C

· **Danger of explosion:** Product is not explosive.

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· <b>Density at 20°C</b>	1.1 - 1.2 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	Unsoluble
· <b>Solvent content: VOC (EC)</b>	< 0.2 %
· <b>Solids content:</b>	> 99.8 %

### 10 Stability and reactivity

- **Thermal decomposition/ Conditions to be avoided:** Protect from heat and direct sunlight.
- **Dangerous products of decomposition:**
  - Carbon monoxide and carbon dioxide
  - Sulphur oxides (SO<sub>x</sub>)
  - Nitrous gases (NO<sub>x</sub>).
  - Poisonous gases/vapours
  - Corrosive gases/vapours
  - Irritant gases/vapours
  - Inflammable gases/vapours
- **Additional information:** No decomposition if used and stored according to specifications.

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
  - 1314-13-2 zinc oxide**
  - Oral LD50 >15000 mg/kg (rat)
  - Inhalative LC50/4 h 5.7 mg/l (rat)
- **Primary irritant effect:**
- **on the eye:** no data available.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information:

- **General notes:** Do not allow product to reach ground water, water bodies or sewage system.

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### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Contact manufacturer for recycling information.  
Disposal must be made according to official regulations.
- **European waste catalogue**  
19 12 04 plastic and rubber
- **Uncleaned packagings:**
- **Recommendation:** Non contaminated packagings can be used for recycling.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVS/E Class:** -

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- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

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- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

### 15 Regulatory information

- **Designation according to EC guidelines:**  
In accordance to appendix VI of guidelines 67/548/EWG clause 9.3 [alloys, polymers, elastomers] labelling is not compulsory.
- **National regulations**
- **Water hazard class:** Generally not hazardous for water.

### 16 Other information:

Information is based on our current knowledge but does not establish a promise of product characteristics and does not substantiate any contractual legal relationship.

- **Relevant R-phrases**  
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **\*Contact:** Alfred Maier

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