

**O31200 Trass Powder**

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**1. Identification of the Substance/Mixture and of the Company/Undertaking****1.1. Product Identifier***Product Name:* Trass Powder*Article No.:* O31200**1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against***Identified uses:**Latent hydraulic material for the manufacture of trass-containing binders  
Additive for the production of concrete  
As rock flour**Uses advised against:***1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)***Company:* Interlabshop BV*Address:* Lage Brink 23, 7317BD Apeldoorn The Netherlands*Tel./Fax.:* +31(0)55-5215016*Internet:* www.labshop.nl*EMail:* labshop@labshop.nl*Importer:*

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**1.4. Emergency No.***Emergency No.:* 112 (24 hours a day)**1.4.2 Poison Center:**

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**2. Hazards Identification****2.1. Classification of the Substance or Mixture***Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)**This product does not require classification and labelling as hazardous according to CLP/GHS.**Possible Environmental Effects:***2.2. Label Elements***Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)**No classification required according to the CLP/GHS guidelines.**Hazard designation:**Not applicable.**Signal word:**Hazard designation:**Safety designation:**Hazardous components for labelling:***2.3. Other Hazards**

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**Composition/Information on Ingredients**

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**3.****3.1. Substance****3.2. Mixture**

*Chemical Characterization:* Natural Trass powder  
Latent hydraulic binder, trass according to DIN 51043, with the main components silicon oxide (SiO<sub>2</sub>), aluminium oxide (Al<sub>2</sub>O<sub>3</sub>), calcium oxide (CaO), magnesium oxide (MgO) and alkalis (Na<sub>2</sub>O, K<sub>2</sub>O).

*Information on Components / Hazardous Ingredients:*

*Additional information:*

**4. First Aid Measures****4.1. Description of the First Aid Measures**

*General information:*

Seek medical attention in case of complaints.

*After inhalation:*

Take affected person to fresh air.

Consult physician if symptoms persist.

*After skin contact:*

Wash with soap and rinse with plenty of water.

*After eye contact:*

Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Should irritation continue, seek medical advice.

*After ingestion:*

Rinse mouth with water and give plenty of water to drink. Consult a physician.

Do not induce vomiting.

**4.2. Most important Symptoms and Effects, both Acute and Delayed**

*Symptoms:*

No further information available.

*Effects:*

**4.3. Indication of any Immediate Medical Attention and special Treatment needed**

*Treatment:*

**5. Fire-Fighting Measures****5.1. Extinguishing Media**

*Suitable extinguishing media:*

Use extinguishing media for surrounding fire.

*Unsuitable extinguishing media:*

None known.

**5.2. Special Hazards arising from the Substance or Mixture**

*Special hazards:*

Product is not flammable.

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**5.3. Advice for Firefighters***Protective equipment:**Wear suitable protective clothing.**Further information:*

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**6. Accidental Release Measures****6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:**Avoid formation of dust.***6.2. Environmental Precautions***Environmental precautions:**Do not discharge into drains, surface or ground water in concentrated form.***6.3. Methods and Material for Containment and Cleaning Up***Methods and material:**Clean up mechanically. Avoid dust formation.***6.4. Reference to other Sections**

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**7. Handling and Storage****7.1. Precautions for Safe Handling***Instructions on safe handling:**Avoid formation and deposition of dust. Provide adequate ventilation.**Hygienic measures:***7.2. Conditions for Safe Storage, including any Incompatibilities***Storage conditions:**Store in tightly sealed containers in a dry and cool room.**Requirements for storage areas and containers:**Store product in closed containers.**Information on fire and explosion protection:**Storage class:**13; Non combustible solids (TRGS 510)**Further Information:***7.3. Specific End Use(s)***Further information:*

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**8. Exposure Controls/Personal Protection****8.1. Parameters to be Controlled***Parameters to be controlled (DE):**TRGS 900**TLV: 3 mg/m<sup>3</sup> air-borne fraction (general dust limit)**TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)*

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*Parameters to be controlled:**Derived No-Effect Level (DNEL):**Predicted No-Effect Concentration (PNEC):**Additional Information:***8.2. Exposure Controls***Technical protective measures:**Ensure adequate ventilation, especially in confined areas.**Personal Protection**General protective measures:**Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.**Respiratory protection:**Wear protective mask (FFP1) if maximum workplace concentration is exceeded (EN 143).**Hand protection:**Protective gloves (EN 374)**Protective glove material:**Eye protection:**Tightly fitting safety goggles (EN 166).**Body protection:**No special protection required.**Environmental precautions:*

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**9. Physical and Chemical Properties****9.1. Information on Basic Physical and Chemical Properties***Form: powder**Color: bright brown**Odor: odorless**Odor threshold: not relevant**pH-Value: 7 - 8 (20°C)**Melting temperature: > 1000°C**Boiling temperature: not applicable**Flash point: not combustible**Evaporation rate: This product is a non-volatile solid.**Flammability (solid, gas):*

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*non-combustible*

*Upper explosion limit:*

*not determined*

*Lower explosion limit:*

*not determined*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*This product is a non-volatile solid.*

*Density:*

*2.5 - 2.7 g/cm<sup>3</sup>*

*Solubility in water:*

*insoluble*

*Coefficient of variation (n-Octanol/Water):*

*no information available*

*Auto-ignition temperature:*

*not applicable*

*Decomposition temperature:*

*not applicable*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not explosive*

*Oxidizing properties:*

*none*

*Bulk density:*

*0.75 - 0.85 g/cm<sup>3</sup>*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

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*Unknown.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No further information available.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*None known.*

### 10.6. Hazardous Decomposition Products

*None known.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*No information available.*

*Acute Toxicity*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*No information available*

*Irritant effect on eyes:*

*No information available.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No relevant data found.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*No toxicological data available.*

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**12. Ecological Information****12.1. Aquatic Toxicity***No toxicity expected.**Fish toxicity:**Daphnia toxicity:**Bacteria toxicity:**Algae toxicity:***12.2. Persistency and Degradability***Inorganic substance. Biological degradability is not affected.***12.3. Bioaccumulation***Not relevant.***12.4. Mobility***No information available.***12.5. Results of PBT- und vPvP Assessment***Not applicable for inorganic substances.***12.6. Other Adverse Effects***Water hazard class:**Not hazardous.**Behaviour in sewage systems:**Further ecological effects:**When used properly, no ecological problems expected.**AOX Value:*

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**13. Disposal Considerations****13.1. Waste Treatment Methods***Product:**Product can be taken to a waste disposal site according to local regulations.**European Waste Code (EWC):**Uncleaned packaging:**Uncontaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste.**Waste Code No.:*

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**14. Transport Information****14.1. UN Number***ADR, IMDG, IATA***14.2. UN Proper Shipping Name***ADR/RID:**No hazardous goods according to ADR (land transportation).**IMDG/IATA:**No hazardous goods according to IMDG.*

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**14.3. Transport Hazard Classes***ADR Class:**not applicable**Hazard no.:**Classification code:**Tunnel restriction code:**IMDG Class (sea):**Hazard no.:**EmS No.:**IATA Class:**not applicable**Hazard no.:***14.4. Packaging Group***ADR/RID:**not applicable**IMDG:**IATA:***14.5. Environmental Hazards***None***14.6. Special Precautions for User***Not classified as a dangerous good under transport regulations.***14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code****14.8. Further Information**

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**15. Regulatory Information****15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture***Water hazard class:**0, not hazardous (German Regulation)**Local regulations on chemical accidents:**Employment restrictions:**Restriction and prohibition of application:**Not applicable.**Technical instructions on air quality:***15.2. Chemical Safety Assessment***Exempted from the mandatory REACH Registration (Annex V).***15.3. Further Information***none*

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**16. Other Information***This product should be stored, handled and used in accordance**next page: 9*



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*with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*