

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 31108 Injection Mortar PLM-S

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Revised edition: 11.10.2016

Version: 1

Printed: 19.06.2019

### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* Injection Mortar PLM-S

*Article No.:* 31108

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

*No information available*

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.de

*E-Mail:* info@kremer-pigmente.de

*Importer:* --

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 1.4.2 Poison Center:

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*Skin irritation, hazard category 2*  
*Skin sensitization, hazard category 1*  
*Serious eye damage, hazard category 1*  
*Specific Target Organ Toxicity (single exposure), hazard category 3*

H315 Causes skin irritation.

Cat.: 2

H317 May cause an allergic skin reaction.

Cat.: 1

H318 Causes serious eye damage.

Cat.: 1

H335 May cause respiratory irritation.

Cat.: 3

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*Hazard designation:*

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GHS05-2



GHS07

*Signal word:*

Danger

*Hazard designation:*

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

*Safety designation:*

P264	Wash thoroughly after handling.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P304+P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310	Immediately call a poison center or physician.
P403+P233	Store in a well ventilated place. Keep container tightly closed.

*Hazardous components for labelling:*

### 2.3. Other Hazards

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

*Information on Components / Hazardous Ingredients:*

Calcium hydroxide (H315-318-335); REACH Reg. No. 01-2119475151-45-0005	35 - 50 %	CAS-Nr: 1305-62-0 EINECS-Nr: 215-137-3 EC-Nr:
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Calcium oxide (H315-318-335)	1 - 3 %	CAS-Nr: 1305-78-8 EINECS-Nr: 215-138-9 EC-Nr:
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*Additional information:*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

Remove contaminated clothes.

*After inhalation:*

Supply fresh air. Consult physician if symptoms persist.

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*After skin contact:*

*Wash off immediately with soap and plenty of water and rinse thoroughly.*

*After eye contact:*

*Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.*

*After ingestion:*

*Rinse mouth with water and drink plenty of water.  
If symptoms persist consult physician.*

### 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:*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*CO2, extinguishing powder, water spray.*

*Unsuitable extinguishing media:*

*None known.*

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

*Special hazards:*

*Do not inhale explosion and smoke fumes and gases.*

### 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 contact with skin, eyes and clothing. Do not ingest or inhale.  
Keep unprotected persons out of danger zone.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Contain with absorbent, inert material (sand, diatomaceous earth, acid absorbent) and dispose accordingly.*

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*Avoid dust formation.*

### 6. 4. Reference to other Sections

*Protective clothing, see Section 8.*

*Dispose of contaminated material according to Section 13.*

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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:*

*Wash hands at the end of work. Preventive skin protection recommended.*

### 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:*

*Information on fire and explosion protection:*

*Do not store together with: wet or damp products.  
Take measures to prevent electrostatic discharge.*

*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):*

*Calcium hydroxide (CAS 1305-62-0): 1 mg/m<sup>3</sup> (inhalable Fraction)*

*Parameters to be controlled:*

*Calcium hydroxide (CAS 1305-62-0): TWA: 1 mg/m<sup>3</sup> (8h; inhalable fraction)*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8. 2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation in case of dust formation.*

*Personal Protection*

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### *General protective measures:*

*Do not inhale dust. Do not eat, drink or smoke while working.  
Wash hands before breaks and at the end of work.*

### *Respiratory protection:*

*In case of formation of dust.  
Dust mask.*

### *Hand protection:*

*Protective gloves (EN 374)*

### *Protective glove material:*

*Natural latex.  
Neoprene  
PVC*

### *Eye protection:*

*Safety glasses with protective shields (EN 166).*

### *Body protection:*

*Protective clothing.*

### *Environmental precautions:*

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## **9. Physical and Chemical Properties**

### **9.1. Information on Basic Physical and Chemical Properties**

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>grayish white</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not determined</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>&gt; 60°C</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	

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*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*1.3 g/cm<sup>3</sup>*

*Solubility in water:*

*not determined*

*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 applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

*not determined*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*No decomposition if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid humidity.*

*Thermal decomposition:*

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*No data available.*

10.5. **Incompatible Materials**

*Water*

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 toxicity expected.*

*Acute Toxicity*

*LD50, oral:*

*Calcium hydroxide: LD50: 7340 mg/kg (rat)*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*Continuous contact can cause irritation.*

*Irritant effect on eyes:*

*Dust may irritate eyes.*

*Product dust may cause redness, tears, blindness.*

*Inhalation:*

*Irritation of the respiratory system, headache, drowsiness, nausea, vomiting.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*not determined*

*Reproductive toxicity:*

*No information available.*

*Carcinogenicity:*

*No negative effects.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

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12. **Ecological Information**

12. 1. **Aquatic Toxicity**

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*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No data available.*

### 12.5. Results of PBT- und vPvP Assessment

*On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*If possible reuse product.*

*If product cannot be reused or recycled, it has to be disposed of according to current local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*Waste Code No.:*

---

## 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

*not applicable*

### 14.8. Further Information

*Protect against moisture.*

*Not classified as a dangerous good under transport regulations.*

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## 15. Regulatory Information

### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

*1, slightly hazardous for water (German Regulation)*

Local regulations on chemical accidents:

*Seveso III Directive: not applicable under Directive 2012/18/EC.*

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.*

### 15.3. Further Information

*Regulation (EC) 649/2012 concerning the export and import of*

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*dangerous chemicals: Not applicable*

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

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#### 16. Other Information

*This product should be stored, handled and used in accordance 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.*