

# Safety data sheet

acc. to 1907/2006/EC, Article 31 (REACH), 1272/2008/EC (CLP)

Printing date 11.12.2015

Version number 1

Revision: 11.12.2015

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

- . 1.1 Product identifier
- . Trade name **Modeling plaster PF**  
Article number: **768451**
- . Article number: **768451**
- . CAS Number:  
10034-76-1
- . EC number:  
231-900-3
- . Registration number 01-2119444918-26-XXXX
- . 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- . Application of the substance / the mixture  
Processing aid  
Impression plaster  
Modelling material

## SECTION 2: Hazards identification

- . 2.1 Classification of the substance or mixture
- . Classification according to Regulation (EC) No 1272/2008  
The substance is not to be classified according to the CLP regulation.
- . 2.2 Label elements
- . Labelling according to Regulation (EC) No 1272/2008 Void
- . Hazard pictograms Void
- . Signal word Void
- . Hazard statements Void

## SECTION 3: Composition/information on ingredients

- . 3.1 Chemical characterisation: Substances
- . CAS No. Designation:  
10034-76-1 Calcium sulphate hemihydrate
- . Identification number(s):
- . EC number: 231-900-3
- . Description: Blend of gypsum
- . SVHC No

## SECTION 4: First aid measures

- . 4.1 Description of first aid measures
- . General information No special measures required.

(Contd. on page 2)

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(Contd. of page 1)

- . **After inhalation** : Supply fresh air; consult doctor in case of symptoms.
- . **After skin contact** :  
Wash with water and soap.  
The product is not skin irritating.
- . **After eye contact** : Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.
- . **After swallowing** :  
Rinse out mouth and then drink plenty of water (approx. 500 ml).  
In case of persistent symptoms consult doctor.
- . **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- . **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents**  
Use fire fighting measures that suit the environment.  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with foam.
- . **5.2 Special hazards arising from the substance or mixture**  
Fire can cause release of :  
Sulfur trioxide (SO<sub>3</sub>)
- . **5.3 Advice for firefighters**
- . **Protective equipment**: No special measures required.

## SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid causing dust.  
Wear protective clothing.
- . **6.2 Environmental precautions**: No special measures required.
- . **6.3 Methods and material for containment and cleaning up**: Collect mechanically.
- . **6.4 Reference to other sections** No dangerous materials are released.

## SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**  
Provide suction extractors if dust is formed.  
No special precautions necessary if used correctly.
- . **Information about protection against explosions and fires**: The product is not flammable
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers**: No special requirements.
- . **Information about storage in one common storage facility**: Not required.
- . **Further information about storage conditions**: Keep container tightly sealed.
- . **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical systems**: No further data; see section 7.
- . **8.1 Control parameters**
- . **Components with critical values that require monitoring at the workplace**: Not required.

(Contd. on page 3)

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(Contd. of page 2)

- . **CAS No. Designation of material % Type Value Unit**  
General dust exposure limit, German TRGS 900 (2015) 1,25 mg/m3  
measured as alveolic part
- . **Additional information:** The lists that were valid during compilation were used as a basis.
- . **8.2 Exposure controls**
- . **Personal protective equipment**
- . **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes.
- . **Breathing equipment:**  
Short term filter device: ABEK-filter  
Filter P1.(For solid particles, DIN 3181)
- . **Protection of hands:** Not required.
- . **Material of gloves** not applicable
- . **Penetration time of glove material** not applicable
- . **Eye protection:** Safety glasses (DIN 58211, EN 166)
- . **Body protection:** Light weight protective clothing

## SECTION 9: Physical and chemical properties

- . **9.1 Information on basic physical and chemical properties**
- . **General Information**
- . **Appearance:**
  - Form: Solid
  - Colour: Various colours
- . **Smell:** Odourless
- . **Odour threshold:** not applicable
- . **pH-value (10 g/l) at 20 °C:** 6-8 (Suspension)
- . **Change in condition**
  - Melting point/Melting range: ca. 1450 °C
  - Boiling point/Boiling range: Not determined
- . **Flash point:** Not applicable
- . **Inflammability (solid, gaseous)** not applicable
- . **Ignition temperature:** not applicable
- . **Decomposition temperature:** not determined
- . **Danger of explosion:** Product is not explosive.
- . **Critical values for explosion:**
- . **Dust explosion class:**
  - Oxidising properties none
- . **Steam pressure:** not applicable
- . **Density at 20 °C** ca. 2,6 g/cm3
- . **Evaporation rate** not applicable
- . **Solubility in / Miscibility with**
  - Water at 20 °C: ca. 6 g/l

(Contd. on page 4)

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(Contd. of page 3)

- . Partition coefficient (n-octanol/water): ca. -2 log POW
- . Viscosity:
  - dynamic: not applicable
- . 9.2 Other information No further relevant information available.

## SECTION 10: Stability and reactivity

- . 10.1 Reactivity No hazardous reactions when stored and handled according to instructions.
- . 10.2 Chemical stability
- . Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- . 10.3 Possibility of hazardous reactions No dangerous reactions known
- . 10.4 Conditions to avoid No further relevant information available.
- . 10.5 Incompatible materials: void
- . 10.6 Hazardous decomposition products:
  - Sulphur trioxide (SO<sub>3</sub>)
  - Temp. > 1000 °C

## SECTION 11: Toxicological information

- . 11.1 Information on toxicological effects
- . Acute toxicity Based on available data, the classification criteria are not met.
- . LD/LC50 values that are relevant for classification:
  - 10034-76-1 Calcium sulphate hemihydrate
  - Oral LD50 > 2000 mg/kg (rat)
- . Primary irritant effect:
  - . Skin corrosion/irritation Based on available data, the classification criteria are not met.
  - . Serious eye damage/irritation Moderate irritation
  - . Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- . CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- . Germ cell mutagenicity Based on available data, the classification criteria are not met.
- . Carcinogenicity Based on available data, the classification criteria are not met.
- . Reproductive toxicity Based on available data, the classification criteria are not met.
- . STOT-single exposure Based on available data, the classification criteria are not met.
- . STOT-repeated exposure Based on available data, the classification criteria are not met.
- . Aspiration hazard Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- . 12.1 Toxicity
- . Aquatic toxicity: No further relevant information available.
- . 12.2 Persistence and degradability No further relevant information available.
- . Other information:
  - Inorganic salts are basically not biodegradable.
  - Easy elimination possible by flocculation or adsorption by sludge.
- . 12.3 Bioaccumulative potential
  - Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
- . 12.4 Mobility in soil No further relevant information available.
- . Ecotoxicological effects:
  - . Other information:
    - No COD, no BOD, no AOX
    - No VOC according to EC-directive 1999/13/EC

(Contd. on page 5)

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(Contd. of page 4)

- . **Additional ecological information:**
- . **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**  
None
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation**  
Smaller quantities can be disposed with household garbage.  
Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.
- . **European waste catalogue**  
06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13  
10 13 06 particulates and dust (except 10 13 12 and 10 13 13)
- . **Uncleaned packaging:**
- . **Recommendation:**  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.  
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.  
Dispose of packaging according to regulations on the disposal of packagings.
- . **Recommended cleaning agent:** Water, if necessary with cleaning agent.

## SECTION 14: Transport information

- . **14.1 UN-Number**
- . **ADR,RID,ADN, IMDG, IATA** Void
- . **14.2 UN proper shipping name**
- . **ADR,RID,ADN, IMDG, IATA** Void
- . **14.3 Transport hazard class(es)**
- . **ADR,RID,ADN, IMDG, IATA**
- . **Class** Void
- . **14.4 Packing group**
- . **ADR,RID,ADN, IMDG, IATA** Void
- . **14.5 Environmental hazards:** Not applicable.
- . **14.6 Special precautions for user** Not applicable.
- . **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- . **Transport/Additional information:** Not dangerous according to the above regulations.
- . **UN "Model Regulation":** Void

## SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **Directive 2012/18/EU**
- . **Named dangerous substances - ANNEX I** Substance is not listed.

(Contd. on page 6)

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(Contd. of page 5)

. **National regulations**

. **Other regulations, limitations and prohibitive regulations**

The general dust exposure limit of 1.25 mg/m<sup>3</sup>, measured as alveolic part has to be observed (German TRGS 900, 2015).

TRGS 559 - Mineral dust

. **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. **Department issuing data specification sheet:** Product Safety and Regulatory Affairs

. **Contact:** slr-info@summitresearchlabs.com

. **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

. **Sources:** source ECHA: European Chemicals Agency, <http://echa.europa.eu/>