

## MATERIAL SAFETY DATA SHEET

Date of preparation: 2021-03-17

version 1.0 [EN]

Legal basis: Commission Regulation (EC) No 830/2015 of 28 May 2015. Amending Regulation (EC) No 1907/2006 under REACH.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name: **STRUCTURAL PLASTER (v9/4)**

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

Intended use: for coating calcium silicate boards

Use advised against: other than identified

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

Name: SEMPRE FARBY Sp. z o.o.  
Full address: ul. gen. J. Kustronia 60, 43-301 Bielsko - Biała  
District and Country: Poland  
Telephone: +48 (33) 496 06 09  
Fax: +48 (33) 496 06 10

e-mail address of the competent person responsible for the Safety Data Sheet: adrozd@semprefarby.pl

#### 1.4. Emergency telephone number

(033) 496 06 09 (time: 7-15)(Sempre Farby Sp. z o.o.)  
Toxicological information in Poland: (042) 631 47 24 (w godz. 7-15)  
or local toxicological information

### SECTION 2. HAZARDS IDENTIFICATION.

#### 2.1. Classification of the substance or mixture.

Classification of the mixture according to the Directive 1272/2008/WE

Danger to man:

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

Environmental hazard: According to the criteria of the aforementioned regulations the product is not classified as dangerous.

Hazards of physico-chemical properties: none.

#### 2.2. Label elements.

Hazard pictograms:



HAZARD

Contains: Portland cement, lime

Hazard statements:

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

Precautionary statements:

- P102 - Keep out of reach of children.  
 P261 - Avoid breathing dust  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

Contains Cr (VI) < 0,0002%

**2.3. Other hazards.**

Substance does not meet PBT or vPvB criteria in accordance with Annex XIII of the REACH Regulation.  
 Other information not available.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

NPD

**3.2. Mixtures.**

Water mixture of cement, lime and quartz sand with organic additives. The mixture contains the following ingredients classified according 1272/2008 as hazardous:

Name	CAS/ WE	Quantity [%]	Hazard class and codes	Hazard statement codes	Type
Portland cement	65997 -15-1/ 266-043-4	< 30,0	Skin Irrit. 2 Eye Dam. 1 Skin Sens.1 STOT SE 3	H315 H317 H318 H335	[1], [2]
Alumina REACH: 01-2119529248-35-0012 01-2119529248-35-0114 01-2119529248-35-0095 01-2119529248-35-0000 01-2119529248-35	1344-28-1/ 215-691-6	< 2,0	it is not classified as dangerous		[2]
Calcium aluminates	65997-16-2/ 266-045-5	< 7,0	it is not classified as dangerous		[2]
Calcium hydroxide	1305-62-0/ 215-137-3	< 5,0	Skin Irrit. 2 Eye Dam. 1 STOT SE 3	H315 H318 H335	[1], [2]
Dolomite	16389-88-1/240-440-2	< 40,0	it is not classified as dangerous		[2]
Quartz sand	14808-60-7/238-878-4	< 30,0	it is not classified as dangerous		[2]

Type:

- [1] Substance classified as hazardous to health  
 [2] Substance for which occupational exposure limit values have been established  
 [3] Substance meets the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII  
 [4] Substance meets criteria for qualification as vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

The preparation is "low chromate" according to 2006/1907/EEC within the product shelf-life, so that the identification with R 43 (H317 + EUH203) is not applicable, when the packing was not opened in the meantime

## SECTION 4. FIRST AID MEASURES.

### 4.1. Description of first aid measures.

General information: In case of accident or if you feel unwell seek medical advice (show label or SDS where possible)

After inhalation: If the maximum allowable concentration is exceeded, wear a respirator with dust filter. In emergency situations, a half-mask or a full-face mask with a cylinder air camera. Take the injured person to fresh air. Dust from the throat and nasal cavities usually goes away spontaneously. When irritation or other complaints occur (nausea, cough or other symptoms), seek medical help.

After contact with the skin: In case of skin contact wash thoroughly with plenty of soap and water. Remove contaminated clothing, shoes and thoroughly clean before use. In case of any irritation seek medical assistance

After contact with the eyes: Do not rub your eyes, mechanical friction can damage the cornea. Rinse eyes with plenty of water for min. 20 minutes and seek medical advice if irritation occurs.

After swallowing: Do not induce vomiting. If the person is conscious, rinse her mouth with water and give plenty of water to drink. Keep the injured person in good repair. Consult a doctor immediately. The decision to induce vomiting must be taken by a doctor. If the person is conscious, rinse her mouth with water and give plenty of water to drink.

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

After contact with eyes: causes serious eye damage.

After contact with skin: causes skin irritation

After inhalation: frequent, repeated inhalation increases the risk of developing lung diseases

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

When you visit a doctor, bring with you this safety data sheet

## SECTION 5. FIREFIGHTING MEASURES.

### 5.1. Extinguishing media.

Suitable extinguishing equipment

Product in commercial (loose) form is not flammable. For extinguishing fire, use extinguishing measures that are suitable for the environment

Extinguishing media not to be used for safety reasons

For extinguishing fire, use extinguishing measures that are suitable for the environment.

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

The product in a commercial (loose) form is not inflammable, explosive and does not promote the burning of other materials.

### 5.3. Advice for firefighters.

Respiratory respirator adapted to the requirements of the environment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES.

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

For non-helpers: Personal protective equipment as stated in Section 8.

For helpers: Emergency procedures are not required. Respiratory protection is required in situations where high dust levels occur.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water. Try to collect as much as possible in the appropriate containers for further disposal.

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

Secure the surfaces against scattering. Spread the covered material and prevent further dust from rising.

Thoroughly collect product in appropriate containers by vacuuming or suction. Do not use for compressed air cleaning. Do not use water.

**6.4. Reference to other sections.**

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. HANDLING AND STORAGE.**

**7.1. Precautions for safe handling.**

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

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

Store in original sealed containers in a cool and damp room.

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

Information not available.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION.**

**8.1 Control parameters.**

8.1.1. Legal basis: Regulation of COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU Values of the highest permissible concentrations and intensities of harmful agents At work environment:

Name	CAS/ WE	Exposure Limit values
Portland cement	65997-15-1/ 266-043-4	ACGIH TLV (United States, 3/2012). TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable NIOSH REL (United States, 6/2009). TWA: 5 mg/m <sup>3</sup> 10hours. Form: Respirable TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total OSHA PEL (United States, 6/2010). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total
Total dust - other non-poisonous industrial dusts - incl containing less than 2% free (crystalline) silica.	-----	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total
Calcium dihydroxide	1305-62-0/ 215-137-3	ACGIH TLV (United States, 3/2012). TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total NIOSH REL (United States, 6/2009). TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total Dust OSHA PEL (United States, 6/2010). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
Quartz sand	14808-60-7/ 238-878-4	ACGIH TLV (United States, 3/2012). TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable NIOSH REL (United States, 6/2009). TWA: 0.05 mg/m <sup>3</sup> 8hours. Form: Respirable OSHA PEL Z-3 (United States, 9/2005). TWA: 10mg/m <sup>3</sup> divided by %SiO <sub>2</sub> + 2: Respirable TWA: 30mg/m <sup>3</sup> divided by %SiO <sub>2</sub> + 2: Total
Dolomite	16389-88-1/240-440-2	ACGIH TLV (United States, 3/2012). TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Respirable

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls:

Observe basic health and safety rules. During work do not eat, drink or smoke.

Wash your hands before each break and after work. Clothing contaminated take off and wash before reuse.

**8.2.2. Personal protective equipment** used should comply with the requirements of the Ordinance of the Minister of Economy of 21 December 2005. On essential requirements for personal protective equipment (Dz. No. 259, item. 2173)

**Eye protection:** In case of contact, use safety glasses (EN 166)

**Skin protection:**

**Hand protection:** In the case of long-term contact, use anti-abrasive and alkaline gloves (made from low-soluble Cr (VI) soluble material, inside cotton-covered.) Wear protective clothing with long sleeves and trousers.

**Body protection:** work clothes should be used, the choice of additional protective measures such as apron, footwear etc. depends on the size of the exposure and the type of operations performed.

**Respiratory protection:** For exposure of dust higher than exposure limits, use respiratory protection. Protection should be adjusted to dust level and conform to EN 149, EN140, EN 14387, EN 1827) or national standards.

**Thermal danger:** not applicable

The employer is obliged to ensure that personal protective equipment and clothing are used  
Work shoes have protective and functional properties and ensure proper washing, maintenance, repair and decontamination.

**8.2.3. Environmental exposure controls**

Prevent spillage of product. Protect the product from getting into the running water and sewers.  
Try to collect as much as possible in the appropriate containers for further disposal.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES.

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

Appearance	powder
Colour	grey
Odour	characteristic
Odour threshold.	Not available.
pH.	11 – 13,5
Melting point / freezing point.	Not available.
Initial boiling point.	> 1000°C.
Boiling range.	Not available.
Flash point.	Not applicable.
Evaporation Rate	slower (ethyl ether=1)
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	heavier (air=1)
Relative density.	1,2 – 1,6 g/cm <sup>3</sup>
Solubility in water	0,1 – 1,5 g/l.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

## 9.2. Other information.

Not available.

## SECTION 10. STABILITY AND REACTIVITY.

### 10.1. Reactivity.

When mixed with water, a stable mass is formed, which over time hardens, resulting in the required properties.

### 10.2. Chemical stability.

The product in commercial form (dry) is stable with proper storage. The working form is alkaline and not compatible with acids, ammonium salts, aluminum or other non-noble metals.

### 10.3. Possibility of hazardous reactions.

Avoid contact with strong acids, with ammonium salts, with base metals.

### 10.4. Conditions to avoid.

Moisture during storage can cause caking and loss of product quality.

### 10.5. Incompatible materials.

Acids, ammonium salts, aluminum or other base metals

### 10.6. Hazardous decomposition products.

Information not available.

## SECTION 11. TOXICOLOGICAL INFORMATION.

### 11.1. Information on toxicological effects.

#### 11.1.1. Substances - NPD

#### 11.1.2. Mixtures

Acute toxicity: The product is not classified as toxic

Acute toxicity for Portland cement:

- by food - no data available
- by inhalation - no data available
- after application to skin - no data available
- when inhaled - no data available

Acute toxicity for calcium dihydroxide

- by food: LD50 > 2000 mg/kg, (OECD 425, rats)
- skin: LD50 > 2500 mg/kg (OECD 402, rabbit)
- inhalation: no data available

Skin corrosion/ irritation: for the product: H315 - Causes skin irritation

Serious eye damage/ irritation: for the product: H318 - Causes serious eye damage

Respiratory or skin sensitisation: for the product may cause allergic reactions (H317)

Germ cell mutagenicity: The product is not classified as carcinogenic

Carcinogenicity: The product is not classified as carcinogenic

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: H335 - May cause respiratory irritation

## SECTION 12. ECOLOGICAL INFORMATION.

### 12.1. Toxicity

This product is not hazardous to the environment. However, the presence of large quantities of product in water can increase its pH, which in some circumstances can be toxic to aquatic life (aquatic environment, aquatic organisms).

The product should not uncontrollably get into the environment. You should avoid contamination of soil and surface and ground waters.

### 12.2. Persistence and degradability.

The hardened product is not toxic

### 12.3. Bioaccumulative potential.

The hardened product is not toxic

### 12.4. Mobility in soil.

The hardened product is not toxic

### 12.5. Results of PBT i vPvB assessment.

The product does not meet PBT or vPvB criteria in accordance with Annex XIII of the REACH Regulation.

### 12.6. Other adverse effects.

Information not available.

## SECTION 13. DISPOSAL CONSIDERATIONS.

### 13.1 Waste treatment methods.

Do not dispose to sewer. Avoid contamination of surface water and groundwater and the soil.

The best way to deal with waste is to transfer to an authorized recovery facility or burning. All disposal practices must comply with applicable local regulations. Dispose of in accordance with local regulations on waste disposal.

## SECTION 14. TRANSPORT INFORMATION.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## SECTION 15. REGULATORY INFORMATION.

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

- *1907/2006/WE Regulation of the European Parliament and of the Council of 18 December 2006. Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Establishing a European Chemicals Agency, amending Directive 1999/45 / EC and repealing Council Regulation (EEC) No 793/93 and No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2002/21/EC.*
- *1272/2008/WE Regulation of the European Parliament and of the Council of 16 December 2008. On the classification, labeling and packaging of substances and mixtures, amending and repealing Directive 67/546/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 (Official Journal of the European Communities No. EU L353 of 31 December 2008)*
- *830/2015/WE Commission Regulation of 28 May 2015r. Amending Regulation (EC) 1907/2006 of the European Parliament and of the Council on registration, evaluation, authorization.*



## 15.2. Chemical safety assessment.

Chemical safety assessment has been processed for the mixture and the substances it contains.

### Symbols and inscriptions:



HAZARD

Contains: Portland cement

### Risk phrases - H:

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

Contains Cr (VI) < 0,0002%

### Safety phrases - P:

- P102 - Keep out of reach of children.
- P261 - Avoid breathing dust
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

## SECTION 16. OTHER INFORMATION.

### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

- Skin irritation, Cat 2



Skin Irrit 2	- Skin sensitizer, Cat 1
Skin Sens. 1	- Causes serious eye damage
Eye Dam. 1	- Specific target organ toxicity –single exposure
STOT SE 3	
H315	- Causes skin irritation
H317	- May cause allergic skin reaction.
H318	- Causes serious eye damage.
H335	- May cause respiratory irritation
P102	- Keep out of reach of children
P261	- Avoid breathing dust
P280	- Wear protective gloves/protective clothing/eye protection/face protection
P305+P351 + P338	- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	- If skin irritation or rash occurs: Get medical advice/attention

**Training:**

Before starting to work with the product, the user should learn the Health and Safety regulations regarding handling chemicals, and in particular, undergo workplace training.

Persons related to the transport of hazardous materials, in accordance with the ADR agreement, should be properly trained in the scope of their duties (general training, workplace training and safety training)

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.