

According to directive 1907/2006/EC, 2020/878  
Version 3.0 Revision date: 14-11-2022  
Trade name: Plasticrete powder

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

### **1.1 Product identification:**

Product name: Plasticrete powder

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

Type of application (Use): Filler

Recommended restrictions on use: For business use only.

### **1.3 Details of the supplier of the safety data sheet:**

Responsible distributor : ASSYST bvba / A.S.O.W. bvba  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
Email: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### **1.4 Emergency phone number:**

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture:**

**Classification according to directive (EC) No 1272/2008 and its amendments.**

Not a hazardous substance or mixture.

### **2.2 Labelling elements:**

**Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:**

Not a hazardous substance or mixture.

#### **Additional labelling**

EUH210 Safety data sheet available on request.

EUH212 Caution! Hazardous inhalable dust particles may be formed during use. Do not inhale dust.

### **2.3 Other hazards:**

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### **Ecological information:**

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

#### **Toxicological information:**

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

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## **SECTION 3: Composition and information on ingredients**

### 3.2 Mixtures:

#### **Description:**

Chemical description : Mineral filler

Chemical name	CAS No. EC No. Index no. Registration number	Classification	Concentration (% w/w)
No hazardous ingredients			
Titanium dioxide	13463-67-7 236-675-5 - 01-2119489379-17	Carc. 2; H351	>= 5 - < 7

For explanation of abbreviations, see section 16.

## **SECTION 4: First aid measures**

### 4.1 Description of first-aid measures:

#### **General advice:**

Keep warm and put in a quiet environment.  
Show this safety data sheet to the doctor on duty.  
Remove contaminated clothing immediately.

#### **By inhalation:**

Getting into the fresh air.  
Keep victim warm and calm.  
If unconscious, apply stable side position and seek medical attention.  
If symptoms persist, consult a doctor.

#### **On contact with skin:**

Immediately wash with soap and plenty of water.  
DO NOT use solvents or paint thinner.  
In case of spillage on clothing, remove clothing.  
If skin irritation persists, consult a doctor.

#### **On contact with eyes:**

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.  
As far as easy to do, remove any contact lenses.

#### **If swallowed:**

Keep calm.  
Do not induce vomiting without medical advice.  
Keep breathing passages clear.  
If symptoms persist, consult a doctor.

### 4.2 Main acute and delayed symptoms and effects:

#### **Symptoms:**

irritant effects

### 4.3 Indication of immediate medical attention and special treatment required:

#### **Treatment:**

The procedure for first aid should be drawn up together with the company doctor.

## **SECTION 5: Fire-fighting measures**

### 5.1 Extinguishing media:

#### **Suitable extinguishing agents:**

Water  
Carbon dioxide (CO2)

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Foam

Dry powder

**Unsuitable extinguishing media:**

Nothing known.

5.2 Special hazards arising from the substance or mixture:

**Specific hazards in firefighting:**

When burned, irritating fumes are produced.

5.3 Advice for firefighters:

**Special protective equipment for firefighters:**

In case of fire, wear a compressed air mask.

Use personal protective equipment.

**Further information:**

In case of fire and/or explosion, avoid breathing fumes.

Use extinguishing agents suitable for the local conditions and environment.

Immediately evacuate personnel to a safe area.

Prevent extinguishing water from contaminating surface water or groundwater systems.

Combustion residues and contaminated fire fighting water must be disposed of according to local regulations.

**SECTION 6: Measures in case of accidental release of the substance or mixture**

6.1 Personal precautions, protective equipment and emergency procedures:

**Personal precautions:**

See protective measures in sections 7 and 8.

Evacuate personnel to a safe area.

Use personal protective equipment.

Ensure adequate ventilation.

Inform the competent authority in case of gas leaks, or runoff into waterways, soil or sewers.

6.2 Environmental precautions:

**Environmental precautions:**

Avoid uncontrolled discharge of product into the environment.

Try to prevent the material from draining into sewers or watercourses.

In case of significant leaks that cannot be contained, the local government should be notified.

6.3 Methods and materials for containment and cleaning:

**Cleaning methods:**

Absorb in inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Limit spill and collect with non-combustible absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Incorporate and transfer into properly labelled containers.

6.4 Reference to other sections:

For personal protection, see section 8.

**SECTION 7: Handling and storage:**

7.1 Precautions for safe handling of the substance or mixture:

**Safe handling advice:**

Ensure adequate ventilation and/or extraction in the workplace.

Avoid inhalation, ingestion and contact with skin and eyes.

Wear personal protective clothing.

**Advice on protection against fire and explosion:**

Keep away from open flames, hot surfaces and ignition sources.

**Hygiene measures:**

Do not inhale dust or spray mist.

Ensure adequate air ventilation.

Wash hands and face before stopping work and immediately after using the product.

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## 7.2 Conditions for safe storage, including incompatibilities:

### **Requirements for storage areas and containers:**

Store containers tightly closed in a dry, cool and well-ventilated place.

Store in correctly labelled containers.

To maintain product quality do not expose to heat or direct sunlight.

### **Advice for mixed storage:**

Keep product and empty packaging away from heat and ignition sources.

Keep away from food and drink.

### **Other details:**

Stable at normal room temperature and pressure.

## 7.3 Specific end use:

### **Specific use:**

Before using this substance/mixture, refer to the technical guidelines.

## **SECTION 8: Exposure controls/personal protection measures**

### 8.1 Control parameters:

#### **Limits exposure on appeal.**

Components	CAS No.	Type of value (Mode of exposure)	Control parameters	Basic
Calcium sulphate	7778-18-9	TGG 8 hr	10 mg/m3 (Calcium)	BE OEL
		TWA	10 mg/m3	
		TWA	15 mg/m3	
Aluminium hydroxide	21645-51-2	TGG 8 hr (respirable fraction)	1 mg/m3 (Aluminium)	BE OEL
Titanium dioxide	13463-67-7	TGG 8 hr	10 mg/m3	BE OEL

The product contains no ingredients for which exposure values have been established.

### 8.2 Exposure control measures:

#### **Technical controls:**

Effective extraction ventilation system.

Effective ventilation at all workplaces.

#### **Personal protection devices:**

##### **Eye protection:**

Do not wear contact lenses.

Safety glasses with side shields according to EN 166.

Provide eyewash facilities and safety showers close to the workplace.

##### **Hand protection**

##### **Material:**

Chemical-resistant gloves made of butyl rubber or nitrile rubber, category III according to EN 374.

##### **Skin and body protection:**

Protective clothing.

##### **Respiratory protection:**

Respirator needed only if aerosol or dust is formed.

Unless adequate local exhaust ventilation is provided, or exposure assessment shows that exposures are within recommended exposure guidelines, use respiratory protection.

Suitable respiratory equipment:

Half-mask with dust filter P2 (European standard EN 143)

##### **Protective measures:**

Avoid contact with skin.

Wear suitable personal protective equipment.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties:**

Physical state:	Emulsion
Colour:	white
Odour:	odourless
Odour threshold value:	Not performed
Boiling point/boiling range:	Not applicable
Upper explosion limit / Upper flammability limit:	Not applicable
Lower explosion limit / Lower flammability limit:	Not applicable
Ignition temperature:	Not applicable
Self-ignition temperature:	Not applicable
Decomposition temperature:	No data available
pH:	7
<u>Viscosity</u>	
Viscosity, kinematic:	Not performed
<u>Solubility</u>	
Solubility in water:	Not performed
Solubility in other solvents:	Not performed
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	Not applicable
Density:	2.8 - 2.9 g/cm <sup>3</sup> (25 °C)
Bulk specific gravity:	Not exported
Relative vapour density:	Not performed
<u>Particle characteristics</u>	
Particle size:	Not performed
<u>9.2 Other information</u>	
Explosives:	Not applicable
Oxidising properties:	Not applicable
Self-ignition:	Not applicable
Evaporation rate:	Not performed
Surface tension:	Not performed
Sublimation point:	Not implemented

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity:**

Stable under recommended storage conditions.

### **10.2 Chemical Stability:**

No decomposition if stored and applied as indicated.

### **10.3 Potential Hazardous Reactions:**

No hazardous reactions were observed under normal conditions of use.

### **10.4 Conditions to avoid:**

No decomposition if directions are followed.

### **10.5 Chemically Interacting Materials:**

#### **Materials to avoid:**

No data available.

### **10.6 Hazardous Decomposition Products:**

Stable under normal conditions.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects:**

#### **Acute Toxicity**

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**Acute oral toxicity:**

Comments: No data available

**Acute toxicity by inhalation:**

Comments: No data available

**Acute dermal toxicity:**

Comments: No data available

**Acute toxicity (other route of administration):**

Comments: No data available

**Skin corrosion/irritation**

Product:

Comments: No data available

**Serious eye damage/eye irritation**

Product:

Comments: No data available

**Respiratory/skin sensitisation**

Product:

Comments: No data available

**Carcinogenicity**

Product:

Comments: No data available

**Reproductive toxicity**

Product:

Effects on fertility:

Comments: No data available

Effects on foetal development:

Comments: No data available

**STOT from single exposure**

Product:

Notes: Not applicable

**STOT on repeated exposure**

Product:

Comments: No data available

**Repeated-dose toxicity**

Product:

Comments: No data available

11.2 Information on other hazards

**Endocrine-disrupting properties**

Product:

Assessment:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

**Further information**

Product:

Notes:

No data available

**SECTION 12: Ecological information**

12.1 Toxicity:

Product:

**Toxicity to fish:**

Comments: No data available

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## **Toxicity to daphnia and other aquatic invertebrates:**

Comments: No data available

### 12.2 Persistence and Degradability:

Product:

#### **Biodegradability:**

Comments: No data available

#### **Physicochemical removability:**

Comments: No data available

### 12.3 Bioaccumulation:

Product:

#### **Bioaccumulation:**

Comments: No data available

### 12.4 Mobility in soil:

No data available

### 12.5 Results of PBT and vPvB assessment:

Product:

Assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

### 12.7 Other Harmful Effects:

Product:

#### **Additional ecological information:**

Remarks: There is a risk of environmental damage if this substance is handled or disposed of improperly.

## **SECTION 13: Disposal instructions**

### 13.1 Waste treatment methods:

#### **Product:**

According to local and national regulations.

Container dangerous when empty.

Do not dispose together with household waste.

Do not mix streams during waste collection.

#### **Contaminated packaging:**

Empty containers should be disposed of at an authorised waste treatment facility for reuse or disposal.

## **SECTION 14: Information relating to transport**

### 14.1 UN number

Not regulated as a hazardous substance

### 14.2 Proper cargo name according to UN model regulations

Not regulated as a hazardous substance

### 14.3 Transport hazard class(es)

Not regulated as a hazardous substance

### 14.4 Packing group

ADR/RID/ADN:

Not regulated as a hazardous substance

IMDG:

Not regulated as a hazardous substance

Notes:

IMDG Code segregation group - none

IATA (Cargo):

Not regulated as a dangerous substance

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IATA (Passenger): Not regulated as a hazardous substance

#### 14.5 Environmental hazards

Not regulated as a hazardous substance

#### 14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training.

#### 14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

Not applicable for product, as delivered.

### **SECTION 15: Statutory information**

#### 15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

##### **REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):**

Restriction conditions for the following dates should be considered:

formaldehyde (Number on the list: 72, 28)

##### **REACH - Candidate list of substances of very high concern for authorisation (Article 59):**

Not applicable

##### **Regulation (EC) No 1005/2009 on ozone-depleting substances:**

Not applicable

##### **Regulation (EE) 2019/1021 on persistent organic pollutants (recast):**

Not applicable

##### **Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:**

Not applicable

##### **REACH - List of substances subject to authorisation (Annex XIV):**

Not applicable

##### **REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors:**

Not applicable

##### **Overviews of toxic chemicals and precursor (intermediate) compounds of the International Convention on Chemical Weapons ("International Chemical Weapons Convention (CWC)":**

Not applicable

##### **Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:**

Not applicable

##### **Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:**

Not applicable

##### **Other regulations:**

As for the composition of the product, we deliberately do not add any of the substances indicated in European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

The product therefore complies with the said guidelines.

Also, no conflict minerals are deliberately added to the product.

#### 15.2 Chemical safety assessment:

Not applicable.

### **SECTION 16: Other information**

#### **Full text of the H statements**

H351: Suspected of causing cancer by inhalation.

#### **Full text of other abbreviations**

Carc: Carcinogenicity

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BE OEL: Occupational exposure limits  
BE OEL / TGG 8 hr: Limit value

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of substances used indoors (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on Level; NOELR - No discernible effect on loading capacity; NZIoC - New Zealand inventory of chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine inventory of chemicals and chemical substances; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECL - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Training advice:

Provide proper information, instruction and training for users.

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended only as guidance for safe handling, use, processing, storage, transportation, disposal, and release, and should not be considered a guarantee or indication of quality.