

According to directive 1907/2006/EC, 2020/878

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Trade name: Moulding plaster

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

1.1 Product Identification:

Product name: Moulding Plaster

REACH registration number: 01-2119444918-26

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

General purpose gypsum plaster: Plaster of Paris for indoor application, industrial tooling plaster, white art plaster.

Identified uses: industrialists and professionals, consumer use.

No uses advised against.

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 / www.artsuppliesonweb.com
Email: ao@assyst.org / 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.

This substance is not classified as dangerous according to 67/548/EEC.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]: Not applicable.

This substance is not labelled according Regulation (EC) n. 1272/2008 [CLP].

2.3 Other hazards:

This substance/mixture contains no components considered to be either 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 on 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 on level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Description:

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Mixture of the following substances with non-hazardous additives.

Chemical name	CAS No. EINECS No. Index No. REACH registration number	Weight (%)
Calcium Sulphate CaSO ₄ ·nH ₂ O (n=0, ½, 2)	7778-18-9 and 10034-76-1 231-900-3 - 01-2119444918-26	>95%

The product is a mixture of calcium sulphate hemihydrate (CAS 10034-76-1) and anhydrite (CAS 778-18-9).

SECTION 4: First aid measures

4.1 Description of first aid measures:

General Information

No adverse effects are expected during normal use of the substance, but if any effects do occur, the following recommendations apply.

By inhalation.

If fine dust particles are inhaled, move them into fresh air.

If it is difficult to breathe, apply artificial respiration and provide oxygen.

Seek medical advice if necessary.

Skin contact

Wash immediately with plenty of soap and water and rinse.

Remove soiled clothing and wash before reusing.

In general, the product is not irritating to the skin.

Eye contact

Immediately flush with plenty of water or use specific eye washers, keeping eyelids wide open.

Remove any contact lenses, if present and easy to remove.

Consult a physician if pain persists.

Ingestion

Rinse the oral cavity with water and drink plenty of water.

Seek medical advice if necessary.

4.2 Most important symptoms and effects, both acute and delayed:

No specific symptoms or effects have been reported.

4.3 Indication of any immediate medical attention and special treatment needed:

Not applicable.

Bring this document if you contact a doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Non combustible

Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media:

Do not use direct water jets on the burning product; they may cause splashing and spread the fire.

5.2 Special hazards arising from the substance or mixture:

The products are fire resistant, but packaging may burn.

5.3 Advice for firefighters:

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially dangerous to health.

Always wear complete fire protective equipment.

Collect the extinguishing water which must not be discharged into the sewers.

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SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes and skin.
Use protective goggles and gloves.
See Sections 7 and 8.

6.2 Environmental precautions:

Keep out of drains, sewers, ditches and waterways.

6.3 Methods and material for containment and cleaning up:

Spills: Sweep up and containerize for reclamation or disposal.
Vacuuming or wet sweeping may be used to avoid dust dispersal.

6.4 Reference to other sections:

More information in sections 8 and 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Avoid contact with skin and eyes.
Keep packaging closed to avoid dispersion.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a covered, cool, dry place.
Keep the product in its own packaging and close it carefully after each use.

7.3 Specific end use:

Plaster of Paris for indoor application, industrial tooling plaster – see section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

When assessing the health and safety risks for workers, consider the exposure limit values professional standards provided by the ACGIH for inert powders not otherwise classified (PNOC respirable fraction: 3 mg/mc; PNOC inhalable fraction: 10 mg/mc).
If these limits are exceeded, the use of a type P filter whose class (1, 2 or 3) must be chosen based on the outcome of the risk assessment.

8.2 Exposure controls:

General protective and hygiene measures:

Do not eat or drink during work.
Avoid contact with eyes and skin.
Minimise and control dust.

Respiratory protection:

If dust cannot be controlled, wear a half face mask conforming to EN 149.

Skin protection:

In case of hypersensitivity of the skin, use protective gloves compliant with EN 374, in natural rubber, nitrile rubber, neoprene, PVC, use long sleeve work clothes, safety shoes or boots.

Eye protection:

In case of involuntary diffusion, use protective goggles with side shields compliant with EN 166.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

General Information :

Physical state:	Solid, powder granulate
Colour:	white
Odour:	Odourless
Odour threshold:	No odour restriction, odourless
pH:	6 - 8 in aqueous solution 20°C
Melting point:	1450°C

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Boiling point:	Not applicable.
Boiling rate:	Not applicable as under normal atmospheric conditions.
Flash Point:	Not applicable as it is not a liquid.
Evaporation Rate:	Not applicable as it is not a liquid.
Flammability:	Not applicable as it is a solid that is not combustible.
Lower flammability limit:	Not applicable as it is not a flammable gas.
Upper flammability limit:	Not applicable as it is not a flammable gas.
Lower explosion limit:	Not applicable as it is not a flammable gas.
Upper explosion limit:	Not applicable as it is not a flammable gas.
Vapour pressure:	Not applicable as the melting point is 1450°C.
Vapour density:	Not applicable as the melting point is 1450°C.
Bulk density:	0.7 - 1.3 kg/l
Solubility in water:	approximately 2 g/l (20°C in g/l)
Partition coefficient n-Octanol/Water:	Not applicable as inorganic product.
Auto-ignition temperature:	Not applicable.
decomposition temperature (°C):	in CaSO ₄ + H ₂ O about 700°C, in CaO + SO ₃ about 1,000°C
Viscosity:	Not applicable as it is not a liquid.
Explosive properties:	Not explosive.
Oxidizing properties:	Not oxidizing because it does not cause or contribute to combustion.

9.2 Other information

No further information available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Products harden with water.

No materials to avoid known.

10.2 Chemical Stability:

Keep dry.

Stable under normal storage conditions.

10.3 Potential Hazardous Reactions:

Mixing with an aqueous solution of sodium carbonate will result in the formation of carbon dioxide.

10.4 Conditions to Avoid:

Stable if stored in dry conditions.

10.5 Chemically Interacting Materials:

No incompatible materials known.

10.6 Hazardous Decomposition Products:

Sulphur oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

No toxicological studies have been conducted on the product as is.

Acute toxicity

LD/LD50 Calcium Sulphate, main component

Acute oral toxicity:

LD50 for the rat > 1581 mg/kg - in accordance with OECD 420.

Acute toxicity by inhalation:

LC50 for the rat > 2.61 mg/L - according to OECD Guideline 403.

Skin corrosion/irritation

No irritation for rabbit - according to guideline OECD 404.

Serious eye damage / serious eye irritation

Not irritating to rabbits - as per OECD Guideline 405.

Respiratory or skin sensitisation

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Does not cause skin sensitization in guinea pigs - according to OECD Guideline 406.

Mutagenicity in germ cells

Non-mutagenic. In vitro / mouse test - according to OECD Guidelines 471-474 / 476.

Carcinogenicity

Not applicable.

Reproductive toxicity

There is no risk of reproductive toxicity. Rat test - according to OECD Guideline 422.

STOT (acute target organ toxicity) single exposure

There is no evidence of organ toxicity for acute toxicity tests.

STOT (acute target organ toxicity) repeated exposure

Not applicable.

Danger by inhalation

(There are no aspiration hazards.)

Other toxicological data

No further information available.

11.2 Information on other hazards

Hormone-disrupting properties

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 on level 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity:

The product is not dangerous for the environment.

12.2 Persistence and Degradability:

The product is an inorganic material, after hydration it does not present any risk of toxicity.

12.3 Bioaccumulation:

The product is an inorganic material, after hydration it does not present any risk of toxicity.

12.4 Mobility in Soil:

The product is an inorganic material, after hydration it does not present any risk of toxicity.

12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6 Hormone-disrupting properties

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 on level 0.1% or higher.

12.7 Other Harmful Effects:

Based on existing data on elimination/degradation and bioaccumulation, long-term damage to the environment is unlikely.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Do not disperse in sewers or surface waterways.

The ferment as refusal must be made according to the methods regulated by national laws.

Dispose of with CER code 17 08 02.

Uncontaminated packaging can be recycled.

SECTION 14: Information relating to carriage

14.1 UN number

The transport of this substance is not subject to regulations.

14.2 Proper load name according to UN Model Regulations

The transport of this substance is not subject to regulations.

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14.3 Transport hazard class(es)

The transport of this substance is not subject to regulations.

14.4 Packing group

The transport of this substance is not subject to regulations.

14.5 Environmental hazards

The transport of this substance is not subject to regulations.

14.6 Special precautions for the user

The transport of this substance is not subject to regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as delivered.

SECTION 15: Legally required information

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

This Safety Data Sheet complies with Regulation 1907/2006/EC - (REACH) as amended.

Seveso Category - Directive 2012/18/EC:

None

Restrictions related to the product or contained substances according to Annex XVII Reg. (EC) 1907/2006:

None

Substances in Candidate List (Art. 59 REACH):

The product does not contain SVHC substances in a percentage higher than 0.1%.

Substances subject to authorisation (Annex XIV REACH):

None

Substances subject to export notification requirements Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

International inventories X = listed:

Component	EINECS	TCSA	DSL	NDSL	PICCS	ENCS	IESCS	AICS	KECL	NZIoC
Calcium sulphate dihydrate	-	-	-	-	X	-	X	X	-	X
Calcium sulphate	231-900-3	x	x	-	x	x	x	x	KE-04614	x

15.2 Chemical Safety Assessment:

A chemical safety assessment of the product has not been carried out.

SECTION 16: Other information

The data and information contained in this sheet are the result of the knowledge available at the date of publication. The company cannot be held responsible for damage to persons or property that may result from using the substance in a manner other than that for which it was intended. The sheet does not replace, but supplements the texts or the rules governing the user's activity. The user is fully responsible for the precautions required for the use that will be made of the product. It is understood that the user must define safety measures according to legislation applicable to its activities.

This product complies with EN 13279-1: Gypsum binders and gypsum plaster - Part 1: Definitions and requirements.

Relevant phrases (code and full text as indicated in Chapters 2 and 3)

Not applicable.

List of modifications / indications of changes:

This Safety data Sheet has been modified to comply with:

- ✓ Regulation (EC) 2020/878
- ✓ Regulation (EC) 1272/2008

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Recent changes concern sections 1, 2, 11, 12, 15, 16.

Abbreviations and acronyms :

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AICS - Australian Inventory of Chemicals; ASTM - American Association for the Testing of Materials; bw - Body weight; CLP - Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardization; DSL - Indoor Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Load capacity associated with x% response; EmS - Emergency schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Cancer Research; IATA - International Air Transport Association; IBC - International IMO Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Act (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No observable (negative) effect on concentration; NO(A)EL - No observable (negative) effect on Level; NOELR - No discernible effect on load capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development OECD; OPPTS - Bureau 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 on the Registration, Evaluation, Authorization 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 - Taiwan Chemical Inventory List; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substance Control Act (US); UN - United Nations; vPvB - Very difficult to degrade and very bioaccumulative