

According to directive 1907/2006/EC, 2020/878
Version 3.0 Revision date: 24-05-2023
Trade name: A1 Powder

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

1.1 Product identification:

Product name: A1 Powder
Identification of the substance: Calcium sulphate
Registration number (REACH): 01-2119444918-26-xxxx
EC number: 231-900-3
CAS no: 7778-18-9

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

Usage: Professional use
Consumer use
A1 Liquid/Powder system

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 Regulation (EC) No 1272/2008 (CLP)

This substance does not meet the criteria for classification according to Regulation No 1272/2008/EC.

2.2 Labelling elements:

Labelling in accordance with Regulation (EC) No 1272/2008 (CLP)

Not required.

2.3 Other hazards:

There is no further information.

Results of PBT and vPvB assessment:

The results of the assessment of the substance show that it is not a PBT or vPvB substance ($\geq 0.1\%$).

Endocrine-disrupting properties:

Contains no endocrine disruptor (EDC) at a concentration of $\geq 0.1\%$.

SECTION 3: Composition and information on ingredients

3.1 Substances:

Substance name: Calcium sulphate

Identifications

CAS No: 7778-18-9

EC No: 231-900-3

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Molecular formula: CaSO₄
Molar mass: 136.1 g/mol

SECTION 4: First aid measures

4.1 Description of first-aid measures:

General comments:

Do not leave the victim unattended.
Move victim out of danger zone.
If unconscious, place victim in stable side position.
Do not administer anything by mouth.
Remove contaminated clothing immediately.
If in doubt or if symptoms persist, consult a doctor.

By inhalation:

Provide fresh air.
In case of irregular breathing or respiratory arrest, consult a doctor immediately and administer first aid.
In case of respiratory irritation, consult a doctor.

On skin contact:

Wipe loose particles off the skin.
Rinse/shower skin with water.
Wash with plenty of soap and water.
In case of skin irritation or rash: consult a doctor.

On eye contact:

Do not rub eyes.
Mechanical stress can cause damage to the cornea.
Rinse with clean, flowing water for at least 15 minutes while keeping the eyelids open.
Remove contact lenses, if possible.
Keep rinsing.
In case of persistent eye irritation: consult a doctor.

If swallowed:

Rinse mouth with water (only if the person is conscious).
If you feel unwell, consult a doctor.

4.2 Main acute and delayed symptoms and effects:

No symptoms and effects are known so far.

4.3 Indication of immediate medical attention and special treatment required:

None.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

The product is not flammable.
Match fire-fighting measures to environment.

Unsuitable extinguishing media:

None.

5.2 Special hazards arising from the substance or mixture:

None.

5.3 Advice for firefighters:

Non-flammable.

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

6.1 Personal precautions, protective equipment and emergency procedures:

For persons other than emergency services:

Getting people to safety.

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Ventilate the affected area.
Combating dust formation.

For emergency services:

Wear respirators when exposed to fumes/dust particles/aerosols/gases.

Use the necessary personal protective equipment.

6.2 Environmental precautions:

Avoid getting the product into drains, surface water or groundwater.

Retain and remove contaminated wash water.

6.3 Methods and materials for containment and cleaning:

Advice on how to contain the spill:

Covering drains.

Advice on how to clean up the spill:

Mechanical recording.

Other information relating to discharge or release:

Put into suitable retainers for disposal.

Ventilate the affected area.

6.4 Reference to other sections:

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Instructions for disposal: see section 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture:

Recommendations - measures to prevent fire and aerosol or dust formation:

Use of local and general ventilation.

Use only in well-ventilated areas.

Advice on general occupational hygiene:

Wash hands after use.

Do not eat, drink or smoke in work areas.

Remove contaminated clothing and protective equipment before entering eating areas.

Do not store food and drink together with chemicals.

For chemicals, do not use packaging intended for foodstuffs.

Keep away from food, drink and animal feed.

7.2 Conditions for safe storage, including incompatibilities:

Managing associated risks - incompatible substances or mixtures:

Keep away from alkalis, oxidising substances, acids.

Consideration of other advice:

Store in a well-ventilated place.

Keep in tightly closed container.

Keep dry and store in a tightly closed container.

Ventilation requirements:

Use of local and general ventilation.

Compatible packaging:

Keep only in the original packaging.

7.3 Specific end use:

There is no further information.

SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

National limits:

No information available.

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Relevant DNEL/DMEL/PNEC and other threshold values:

DNEL. 21.17 mg/m³. Human, via inhalation. (Industrial) workers. Chronic - systemic effects.
DNEL. 5,082 mg/m³. Human, via inhalation. (Industrial) workers. Acute - systemic effects.
DNEL. 5.29 mg/m³. Human, via inhalation. Consumers (private households). Chronic - systemic effects.
DNEL. 3,811 mg/m³. Human, via inhalation. Consumers (private households). Acute - systemic effects.
DNEL. 1.52 mg/kg bw/day. Human, oral. Consumers (private households). Chronic - systemic effects.
DNEL. 11.4 mg/kg bw/day. Human, oral. Consumers (private households). Acute - systemic effects.
PNEC. 100 mg/l. Aquatic organisms. Sewage treatment plants (STP). Short-term (one-time).

8.2 Exposure control measures:

Appropriate technical measures:

General ventilation.
Provide eye showers and emergency showers in the workplace.

Individual protection measures (personal protective equipment):

Eye/face protection:

Wear safety goggles with side protection (EN 166).

Skin protection:

Protective clothing (EN 340 & EN ISO 13688).

Hand protection:

Wear suitable gloves.
Suitable are EN 374-tested gloves against chemicals.
The choice of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

Breakthrough time of glove material:

Use gloves with a minimum breakthrough time of the glove material: >10 minutes (permeation level: 1).

Other protective equipment:

Insert rest periods for skin regeneration.
Preventive skin protection (skin-protective creams) is recommended.
Wash hands thoroughly after use.

Respiratory protection:

In case of inadequate ventilation, wear suitable respiratory protection.
Full/half/quarter mask (EN 136/140).

Managing environmental exposure:

Take appropriate measures to prevent uncontrolled release into the environment.
Avoid getting the product into drains, surface water or groundwater.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	solid (powder, crystalline)
Colour:	white
Odour:	characteristic
Melting/freezing point:	~1,450 °C (ISO 3016)
Boiling point or initial boiling point and boiling range:	undetermined
Flammability:	non-flammable
Lower and upper explosion limit:	LEL: UEL: not relevant
Flash point:	not applicable
Self-ignition temperature:	irrelevant
Decomposition temperature:	no data available
pH value:	6 - 8
Kinematic viscosity:	irrelevant
Solubility	
Solubility in water:	2.4 g/l at 20 °C
Partition coefficient n-octanol/water (log value):	not relevant (inorganic)

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Vapour pressure: not determined
Density and/or relative density
Density: 2.31 - 2.97 g/cm³ at 20 °C (DIN 51757)
Relative vapour density: no information is available with this property
Bulk density: 700 - 1,100 kg/m³
Particle characteristics
Particle size: 63.2 µm
9.2 Other information
Information on physical hazard classes: hazard classes according to GHS (physical hazards): not relevant
Other safety features: there is no further information

SECTION 10: Stability and reactivity

10.1 Reactivity:

This material is not reactive under normal ambient conditions.

10.2 Chemical Stability:

The material is stable under normal atmospheric conditions and expected temperature and pressure during storage and handling.

10.3 Potential Hazardous Reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

No specific conditions are known to be avoided.

10.5 Chemically Interacting Materials:

There is no further information.

10.6 Hazardous Decomposition Products:

Known and reasonably foreseeable hazardous decomposition products produced during use, storage, discharge and heating are not known.

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Classification according to GHS (1272/2008/EC, CLP)

This substance does not meet the criteria for classification according to Regulation No 1272/2008/EC.

Acute toxicity:

Is not classifiable as acutely toxic.

Skin corrosion/irritation:

Does not classify as caustic/irritating to the skin.

Serious eye damage/eye irritation:

Cannot be classified as severely eye-injurious or irritating to the eyes.

Respiratory or skin sensitisation:

Is not classifiable as inhalant or skin allergenic.

Mutagenicity in gametes:

Is not classifiable as mutagenic in germ cells (mutagenic).

Carcinogenicity:

Is not classifiable as carcinogenic.

Reproductive toxicity:

Is not classifiable as a reproductive toxicant.

Specific target organ toxicity at single exposure:

Cannot be classified as toxic to specific target organs (single exposure).

Specific target organ toxicity on repeated exposure:

Cannot be classified as toxic to specific target organs (repeated exposure).

Inhalation hazard:

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Is not classifiable as dangerous in aspiration.

11.2 Information on other hazards

Endocrine-disrupting properties:

Contains no endocrine disruptor (EDC) at a concentration of $\geq 0.1\%$.

Other information:

There is no further information.

SECTION 12: Ecological information

12.1 Toxicity:

Cannot be classified as hazardous to the aquatic environment.

EC50. >1,000 mg/l. Microorganisms. 3 h.

12.2 Persistence and Degradability:

No data are available.

12.3 Bioaccumulation:

No data are available.

12.4 Mobility in soil:

No data are available.

12.5 Results of PBT and vPvB assessment:

The results of the assessment of the substance show that it is not a PBT or vPvB substance.

12.6 Endocrine disrupting properties

Contains no endocrine disruptor (EDC) at a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

No data are available.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:

Information on waste disposal:

Recycling/reclamation of other inorganic materials.

Information regarding wastewater discharge:

Do not throw waste into the sink. Avoid discharge into the environment.

Waste treatment of containers/packaging:

Fully emptied containers can be recycled.

Contaminated packaging can be treated like the substance itself.

Notes:

Please note the relevant national or regional provisions.

Waste is separated into the categories that can be treated separately by local or national waste management services.

SECTION 14: Information relating to transport

14.1 UN number

The transport of this substance is not subject to regulations.

14.2 Proper cargo name according to UN model regulations

The transport of this substance is not subject to regulations.

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 in accordance with Annex II to MARPOL 73/78 and the IBC Code

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No data available.

Information for each of the UN regulations

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) - additional information:

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - supplementary information:

Not subject to the IMDG.

International Civil Aviation Organisation (ICAO-IATA/DGR) - supplementary information:

Not subject to ICAO-IATA.

SECTION 15: Statutory information

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

Relevant European Union (EU) provisions

Restrictions in accordance with REACH, Annex XVII

Not stated.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

Not stated.

Seveso Directive

Not granted.

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not stated.

Water framework directive (WFD)

Calcium sulphate. Metals and metal compounds. A).

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

Not stated.

Regulation on persistent organic pollutants (POPs)

Not stated.

National regulations (Netherlands)

SZW list CMR effects

Not stated.

15.2 Chemical safety assessment:

A chemical safety assessment was carried out for this substance.

SECTION 16: Other information

Abbreviations and acronyms :

ADN. Accord européen relatif au transport internationale des marchandises Dangereuses par voies de navigation Intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways). ADR. Accord relatif au transport internationale des marchandises Dangereuses par route (Agreement concerning the international carriage of dangerous goods by road). CAS. Chemical Abstracts Service (database for chemical substances and their unique number, the CAS registration number). CLP. Regulation (EC) No 1272/2008 on the classification, labelling and packaging (CLP) of substances and mixtures. CMR. Carcinogenic, Mutagenic or Reproductive toxicity. DGR. Dangerous Goods Regulations, regulations for the carriage of dangerous goods, see IATA/DGR. DMEL. Derived Minimal Effect Level. DNEL. Derived No-Effect Level. EC50. Effective concentration 50%. The EC50 corresponds to the concentration of a tested substance that causes 50 % change in response (e.g. on growth) during a specified time interval. EC No. The EC Registry (EINECS, ELINCS and the NLP Registry) is the source for the seven-digit EC number as a reference number for substances (European Union). EINECS. European Inventory of Existing Commercial Chemical Substances. ELINCS. European List of Notified Chemical Substances. GHS. "Globally Harmonised System of Classification and Labelling of Chemicals" developed by the United Nations. IATA. International Air Transport Association. IATA/DGR. Dangerous Goods Regulations (DGR) for aviation (IATA). ICAO. International Civil Aviation Organisation. IMDG. International Maritime Dangerous Goods Code (IMDG Code). LEL. Lower explosion limit (LEL). NLP. No-Longer Polymer. PBT.

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Persistent, Bioaccumulative and Toxic. PNEC. Predicted no-effect concentration. REACH. Registration, Evaluation, Authorisation and Restriction of Chemicals. RID. Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations on the International Carriage of Dangerous Goods by Rail). SVHC. Substance of very high concern. UEL. Upper explosion limit (UEL). ZPzB. Very persistent and very bioaccumulative.

Key literature references and data sources

Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) of substances and mixtures.
Regulation (EC) No 1907/2006 (REACH), as amended by 2020/878/EU. Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN).
International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for aviation (IATA).

Disclaimer

This information is based on the current state of our knowledge. This safety data sheet is compiled and intended exclusively for this product. For this product it is not legally required to provide a safety data sheet under Article 31 of the REACH Regulation, because the product is not classified as hazardous according to the CLP Regulation. This document has been prepared as a voluntary additional service to provide general safety information.

Safety data sheet in accordance with Regulation (EC) No 1907/2006 (REACH)
amended by 2020/878/EU

A1 LP01 Powder

Version number: 3.0

Replaces the version dated: 06.02.2018 (2)

Review: 24.05.2023

Netherlands: