



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

A1 LP01 Powder

Version number: 3.1
Replaces version of: 24.05.2023 (3)

Revision: 16.02.2024

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

1.1 Product identifier

Trade name	A1 LP01 Powder A1 LP07 Extra White Powder A1 IMO Powder
Identification of the substance	Calcium sulfate
Registration number (REACH)	01-2119444918-26-xxxx
EC number	231-900-3
CAS number	7778-18-9

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

Relevant identified uses	Professional use Consumer uses A1 Liquid/Powder system
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1.3 Details of the supplier of the safety data sheet

Active Composite Technologies
Nijverheidsweg 15 A
3251 LP Stellendam
Netherlands

Telephone: +31 187 663006
e-mail: info@acrylicone.com
Website: <https://www.activecomposite.com/>

1.4 Emergency telephone number

Emergency information service	+31 187 663006 This number is only available during the following office hours: Mon-Fri 09:00 - 17:00
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SECTION 2: Hazards 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 in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not required.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.



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SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance	Calcium sulfate
Identifiers	
CAS No	7778-18-9
EC No	231-900-3
Molecular formula	CaSO ₄
Molar mass	136,1 g/mol

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Brush off loose particles from skin. Rinse skin with water/shower. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Do not rub the eyes. Mechanical stress can cause damage to the cornea. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product is not combustible;
Co-ordinate firefighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

None.

5.3 Advice for firefighters

non-combustible



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area. Control of dust.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate 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. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed. Keep container tightly closed and dry.

- ventilation requirements

Use local and general ventilation.

- packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

There is no additional information.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

DNEL. 21,17 mg/m³. Human, inhalatory. Worker (industry). Chronic - systemic effects. DNEL. 5.082 mg/m³. Human, inhalatory. Worker (industry). Acute - systemic effects. DNEL. 5.29 mg/m³. Human, inhalatory. Consumer (private households). Chronic - systemic effects. DNEL. 3.811 mg/m³. Human, inhalatory. Consumer (private households). Acute - systemic effects. DNEL. 1,52 mg/kg bw/day. Human, oral. Consumer (private households). Chronic - systemic effects. DNEL. 11,4 mg/kg bw/day. Human, oral. Consumer (private households). Acute - systemic effects. PNEC. 100 mg/l. Aquatic organisms. Sewage treatment plant (STP). Short-term (single instance).

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection (EN 166).

Skin protection



Protective clothing (EN 340 & EN ISO 13688).

Hand protection



Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

- breakthrough time of the glove material

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

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

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

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties



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Physical state	solid (powder, crystalline)
Colour	white
Odour	characteristic
Melting point/freezing point	~1.450 °C (ISO 3016)
Boiling point or initial boiling point and boiling range	not determined
Flammability	non-combustible
Lower and upper explosion limit	LEL: UEL: not relevant
Flash point	not applicable
Auto-ignition temperature	not relevant
Decomposition temperature	no data available
pH (value)	6 – 8
Kinematic viscosity	not relevant

Solubility

Water solubility	2,4 g/l at 20 °C
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Partition coefficient n-octanol/water (log value)	not relevant (inorganic)
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Vapour pressure	not determined
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Density and/or relative density

Density	2,31 – 2,97 g/cm ³ at 20 °C (DIN 51757)
Relative vapour density	information on this property is not available
Bulk density	700 – 1.100 kg/m ³

Particle characteristics

Particle size	63,2 µm
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9.2 Other information



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Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional 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 ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).



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Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

Other information

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

EC50. >1.000 mg/l. Microorganisms. 3 h.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Endocrine disrupting properties

Information on this property is not available.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Recycling/reclamation of other inorganic materials.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.



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SECTION 14: Transport information

14.1 UN number or ID number	not subject to transport regulations
14.2 UN proper shipping name	not relevant
14.3 Transport hazard class(es)	none
14.4 Packing group	not assigned
14.5 Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations
14.6 Special precautions for user	There is no additional information.
14.7 Maritime transport in bulk according to IMO instruments	No data available.

Additional information for each of the UN Model Regulations

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

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Not listed.

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

Not listed.

Seveso Directive

Not assigned.

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

Not listed.

Water Framework Directive (WFD)

Calcium sulfate. Metals and their 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 listed.

Regulation on persistent organic pollutants (POP)

Not listed.



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National regulations (Netherlands)

SZW-lijst CMR effects

Not listed.

15.2 Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

1.1. Trade name:

A1 LP01 Powder. Trade name:

A1 LP01 Powder

A1 LP07 Extra White Powder

A1 IMO Powder. 1.2. Relevant identified uses:

Professional use

Consumer use

A1 Liquid/Powder system. Relevant identified uses:

Professional use

Consumer uses

A1 Liquid/Powder system. 2.3. Other hazards:

There is no additional information. Other hazards. 2.3. Results of PBT and vPvB assessment:

According to the results of its assessment, this substance is not a PBT or a vPvB ($\geq 0,1\%$). Results of PBT and vPvB assessment:

According to the results of its assessment, this substance is not a PBT or a vPvB. 2.3. Endocrine disrupting properties:

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$. Endocrine disrupting properties:

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$. 11.2. Endocrine disrupting properties:

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$. 12.6. Endocrine disrupting properties:

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$. Endocrine disrupting properties:

Information on this property is not available. 16. Abbreviations and acronyms:

change in the listing (table).

Abbreviations and acronyms

ADN. Accord européen relatif au transport international 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 international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road). CAS. Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances). CLP. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. CMR. Carcinogenic, Mutagenic or toxic for Reproduction. DGR. Dangerous Goods Regulations (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 causing 50 % changes in response (e.g. on growth) during a specified time interval. EC No. The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union). ED. Endocrine disruptor. EINECS. European Inventory of Existing Commercial Chemical Substances. ELINCS. European List of Notified Chemical Substances. GHS. "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations. IATA. International Air Transport Association. IATA/DGR. Dangerous Goods Regulations (DGR) for the air transport (IATA). ICAO. International Civil Aviation Organization. IMDG. International Maritime Dangerous Goods Code. LEL. Lower explosion limit (LEL). NLP. No-Longer Polymer. PBT. 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 concerning the International carriage of Dangerous goods by Rail). SVHC. Substance of Very High Concern. UEL. Upper explosion limit (UEL). VPvB. Very Persistent and very Bioaccumulative.

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. For this product it is not legally required to provide an SDS under Article 31 of the REACH Regulation, because the product is not classified as hazardous. This document is prepared as a voluntary and additional service to provide general safety information.