



## Material Safety Data Sheet

Material Safety Data Sheet according to Reg. (EU) 1907/2006-No 2015/830

Revision date: 06-02-2018

# A1 LP01 Powder

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

**1.1. Product identifier:** A1 LP01 Powder

**1.2. Relevant identified uses of the substance or mixture and uses advised against identified uses:** A1 Liquid/Powder system

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

**Supplier:** A.C.T  
Nijverheidsweg 15 A  
3251 LP Stellendam  
The Netherlands  
++31-187-663006  
[info@activecomposite.com](mailto:info@activecomposite.com)

**1.4. Emergency telephone number**

**Emergency telephone:** +31 (0) 187 663006

### Section 2. HAZARDS IDENTIFICATION

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

**In compliance with EC regulation No. 1272/2008 and its amendments**

This mixture does not present a physical hazard. Refer to the recommendations.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see section 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

**2.2. Label elements:**

**In compliance with EC regulation No 1272/2008 and its amendments:** No labelling requirements for this mixture.

**2.3. Other hazards:**

The mixture does not contain substances classified as 'substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table> The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC1907/2006.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Identification	(EC) 1272/2008	Note	%
Index: Platre 1		(1)	100.00%
CAS: 7778-18-9	EC: 231-900-3	REACH: 1-2119444918-26	Calcium Sulphate

(1)Information on ingredients: (1) Substance for which maximum workplace exposure limits are available.

### Section 4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
Never induce swallowing by an unconscious person.

#### 4.1. Description of first aid measures

**In the event of exposure by inhalation:** Take the person out into the open air. If troubles remain, seek medical advice.

**In the event of splashes or contact with eyes:** Wash eyes thoroughly with fresh, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin:** Watch out for any remaining product between skin and clothing, shoes, jewellery, etc.

**In the event of swallowing:** Seek medical attention, showing the label.

**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:** None

### Section 5. FIRE-FIGHTING MEASURES

Non-flammable:

#### 5.1. Extinguishing media

**Suitable methods of extinction:** Non combustible

**Unsuitable methods of extinction:** None

**5.2. Special hazards arising from the substance or mixture:** None

**5.3. Advice for firefighters:** Special protective equipment for fire-fighters: None

### Section 6. ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under heading 7 and 8.

**For first aid worker:** First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions:** Prevent any material from entering drains or waterways.

**6.3. Methods and material for containment and cleaning up:** Retrieve the product by mechanical means (sweeping, vacuuming): do not generate dust.

**6.4. Reference to other sections:** No data available.

## Section 7. HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling:** Always wash hands after handling.

**Fire prevention:** Prevent access by unauthorised personnel.

**Recommended equipment and procedures:** For personnel protection, see section 8. Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures:** No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities:** No data available.

**Storage:** Store dry.

**Packaging:** Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s):** A1 LP01 Liquid/Powder system

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits:

- **ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :**

CAS 7778-18-9 TWA: 10 mg/m<sup>3</sup> STEL: - Ceiling: - Definition: - Criteria: I

- **Germany - AGW (BAuA - TRGS 900, 21/06/2010):**

CAS 7778-18-9 VME: - VME: 6 mg/m<sup>3</sup> A Excess: - Notes DFG

- **Belgium (Order of 19/05/2009, 2010):**

CAS 7778-18-9 TWA: 10 mg/m<sup>3</sup> STEL: - Ceiling: - Definition: - Criteria: -

- **France (INRS - ED984 :2008) :**

CAS 7778-18-9 VME-ppm: - VME-mg/m<sup>3</sup>: 10 VLE-ppm: - VLE-mg/m<sup>3</sup>: Notes: - TMP no -

- **Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), Mayo 2010):**

CAS 778-18-9 TWA: 10 mg/m<sup>3</sup> STEL: - Ceiling: - Definition: Criteria: -

#### Derived no effect level (DNEL) or derived minimum effect level (DMEL):

CALCIUM SULPHATE (CAS: 7778-18-9)

#### Final use: workers

Exposure method: Inhalation.

Potential health effects: Short term systemic effects.

DNEL: 5082 mg of substance/m<sup>3</sup>

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.

DNEL: 21.17 mg of substance/m<sup>3</sup>

#### Final use: Man exposed via the environment.

Exposure method: Ingestion.

Potential health effects: Short term systemic effects.

DNEL: 11.4 mg/kg body weight/day

Exposure method: Ingestion.

Potential health effects: Long term systemic effects.

DNEL: 1.52 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Short term systemic effects.

DNEL: 3811 mg of substance/m<sup>3</sup>

Exposure method: Inhalation.  
Potential health effects: Long term systemic effects.  
DNEL: 5.29 mg of substance/m<sup>3</sup>

**Predicted no effect concentration (PNEC):**

CALCIUM SULPHATE (CAS: 7778-18-9)

Environmental compartment: Waste water treatment plant.

PNEC: 100 mg/l

## 8.2. Exposure controls

### Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection:** Avoid contact with eyes. Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.



- **Hand protection:** Wear suitable protective gloves in the event of prolonged or repeated skin contact.

- **Body protection:** Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection:** Avoid breathing dust. Type of FFP mask Wear a disposable half-mask dust filter in accordance with standard EN149.



## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**General information:** Physical State: Powder or dust

#### Important health, safety and environmental information

**pH:** Not relevant

**Boiling point/boiling range:** Not relevant

**Flash point interval:** Not relevant

**Vapour pressure (50°C):** Not relevant

**Density:** Not stated

**Water solubility:** Soluble

**Melting point/melting range:** Not relevant

**Self-ignition temperature:** Not relevant

**Decomposition point/decomposition range:** Not relevant

**9.2. Other information:** No data available.

## Section 10. STABILITY AND REACTIVITY

**10.1. Reactivity:** No data available.

**10.2. Chemical stability:** This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions:** No data available.

**10.4. Conditions to avoid:** Avoid formation of dusts

**10.5. Incompatible materials:** None.

**10.6. Hazardous decomposition products:** The thermal decomposition may release/form:

## Section 11. TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects:** No data available.

### 11.1.1. Substances

#### Acute toxicity:

CALCIUM SULPHATE (CAS: 7778-18-9)

Oral route: LD50 > 1581 mg/kg

Species: Rat

OECD Guideline 420 (Acute Oral Toxicity Fixed Dose Method)

Inhalation route: LC50 > 2.61 mg/l

Species: Rat

OECD Guideline 403 (Acute Inhalation Toxicity)

#### Skin corrosion/skin irritation :

CALCIUM SULPHATE (CAS: 7778-18-9)

Corrosivity: No observed effect.

Species: Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Species: Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

#### Serious damage to eyes/eye irritation:

CALCIUM SULPHATE (CAS: 7778-18-9)

Species: Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Species: Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Species: Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Species: Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

#### Respiratory or skin sensitisation:

CALCIUM SULPHATE (CAS: 7778-18-9)

Local lymph node stimulation test:

Non-Sensitizer.

Species: Guinea pig

OECD Guideline 406 (Skin Sensitisation)

Guinea Pig Maximisation Test (GMPT):

Non-sensitizer.

Species: Guinea pig

OECD Guideline 406 (Skin Sensitisation)

Buehler Test:

Non-sensitizer.

Species: Guinea pig

OECD Guideline 406 (Skin Sensitisation)

#### Germ cell mutagenicity:

CALCIUM SULPHATE (CAS: 7778-18-9)

No mutagenic effect.

Mutagenesis (in vivo): Negative.

Species: Mouse

OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Mutagenesis (in vitro):

Negative.

Reverse Mutation Assay

OECD Guideline 471 (Bacterial

#### Carcinogenicity:

CALCIUM SULPHATE (CAS: 7778-18-9)

Carcinogenicity Test:

Negative. No carcinogenic effect.

#### Reproductive toxicant:

CALCIUM SULPHATE (CAS: 7778-18-9)

No toxic effect for reproduction

Study on development:

Species: Rat

OECD Guideline 422 (Combined Repeated Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

**11.1.2. Mixture:** No toxicological data available for the mixture.

## Section 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Substances

CALCIUM SULPHATE (CAS: 7778-18-9)

Fish toxicity: LC50 > 79 mg/l

Species: Others

Duration of exposure: 96 h

OECD Guideline 203  
(Fish, Acute Toxicity Test)

Crustacean toxicity: EC50 > 79 mg/l

Species: Daphnia sp.

Duration of exposure: 48 h

OECD Guideline 202 (Daphnia  
sp. Acute Immobilisation Test)

Algae toxicity: ECr50 > 79 mg/l

Species: Selenastrum  
capricornutum

Duration of exposure: 72 h

OECD Guideline 201 (Alga,  
Growth Inhibition test)

**12.1.2. Mixtures:** No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability:** Abiotic degradation physical- and photo-chemical elimination: The product hydrolyses quickly in the presence of water to: Calcium and Sulphate Ions. The individual components are poorly eliminated from water. Inorganic product which is not eliminable from water through biological cleaning processes.

#### 12.2.1. Substances

CALCIUM SULPHATE (CAS: 7778-18-9)

Biodegradability: no degradability data is available, the substance is considered as not degrading quickly.

**12.3. Bio-accumulative potential:** Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. No indication to bioaccumulation potential. The ecological data were measured on the hydrolysed product. According to experiences this product is inert and not degradable biologically.

**12.4. Mobility in soil:** Water-soluble solid. Natural constituent in soils. If product enters soil, it will be mobile and may contaminate groundwater.

**12.5. Results of PBT and vPvB assessment:** This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects:** According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as dangerous for the environment.

## Section 13. DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods:** Do not pour into drains or waterways. Waste codes / waste designations according to EWC. 10 12 wastes from manufacture of ceramic goods, bricks, tiles and construction products. 10 12 06 discarded moulds.

**Waste:** Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging:** Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

## Section 14. TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

## Section 15. REGULATORY INFORMATION

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

#### - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013, - EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013., - EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013. - EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014. - EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- **Container information:** No data available.

- **Particular provisions:** No data available.

**15.2. Chemical safety assessment:** No data available.

## Section 16. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### **Abbreviations:**

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bio accumulable and toxic.

vPvB : Very persistent, very bio accumulable.

SVHC : Substances of very high concern.

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#### **DISCLAIMER OF LIABILITY**

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