



Material Safety Data Sheet

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

Revision date: 13-06-2019

A1 ATP Powder

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

1.1. Product identifier: A1 ATP Powder

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

Identified uses: thickener for the A1 L/P 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

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

Not classified.

2.2. Label elements:

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

2.3. Other hazards:

PBT assessment - The product is not considered to be a PBT.

vPvB assessment - The product is not considered to be a vPvB

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Component	CAS	EC	Reach
Aluminium hydroxide	21645-51-2	244-492-7	01-211959292246-39

3.2. Mixtures: not relevant

Section 4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. Remove contaminated clothing and shoes and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. Never induce swallowing by an unconscious person.

4.1. Description of first aid measures

Inhalation: Take the person out into the open air/ ensure supply of fresh air. If troubles remain, seek medical advice.

Skin contact: Wash the affected area carefully with soap and clean water

Eye contact: remove contact lenses. 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.

Swallowing: Rinse mouth thoroughly with water, never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed: No data available

4.3. Indication of any immediate medical attention and special treatment needed: No data available.

Section 5. FIRE-FIGHTING MEASURES

Non-flammable:

5.1. Extinguishing media

Suitable methods of extinction: Water spray jet, foam, extinguishing powder, Carbon dioxide

Unsuitable methods of extinction: No data available

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

5.3. Advice for firefighters: Use protective equipment appropriate for surrounding materials, In the event of fire, wear self-contained breathing apparatus, product itself does not burn. Adapt extinguisher and fire-fighting measures to fire in the environment.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel

Avoid dust formation. Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For first aid worker: No data available. First aid workers will be equipped with suitable personal protective equipment (See section 8)

6.2. Environmental precautions: Keep spills and cleaning runoff out of municipal, sewers and open bodies.

6.3. Methods and material for containment and cleaning up: Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

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:

Avoid the formation and deposition of dust. Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work. Do not inhale dust. Use barrier cream for the skin.

Fire prevention: No special measures necessary.

Recommended equipment and procedures: For personnel protection, see section 8. Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

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

Technical measures and storage conditions: Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.

Requirements for storage: Store product in closed containers. Always keep in containers of same material as the original one.

Advice on storage assembly

Do not store together with: Acids

7.3 Specific end use(s): see 1.2.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

Aluminum hydroxide - CAS: 21645-51-2 EC: 244-492.7

Dust

List of approved workplace exposure limits (WELs/EH40)

Total inhalable dust

TWA: 10 mg/m³

Respirable dust

TWA: 4 mg/m³

DNEL, DMEL and PNEC values:

DNEL values worker:

Inhalative – Long term (chronic) – Systemic – 10.76 mg/m³

Inhalative – Long term (chronic) – Local – 10.76 mg/m³

DNEL values consumer:

Oral – Long term (chronic) – Systemic – 4.74 mg/kg/day

8.2. Exposure controls

Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Eye Protection

Safety glasses with side shields. (EN166)

Hand Protection

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Respiratory Protection:

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice.

Other:

Normal chemical work clothing,

Environmental Exposure:

No data available.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Powder
Odour	Odourless
Odour Threshold	No information available
pH:	8.4 - 10.2, (5% water suspension)
Boiling point	2980 °C, Reference pressure 101.3 kPa
Melting Point	appr. 300 °C
Flash point	Not applicable
Oxidising properties	Not applicable
Evaporation Rate	Not applicable
Flammability	Not applicable
Lower flammability/explosive limits	Not applicable
Upper flammability/explosive limits	Not applicable
Vapour Pressure	Not applicable
Relative Density	Not applicable
Density	2,4 g/cm ³ , 20°C
Water Solubility	No data available
Explosive properties	Not applicable
Decomposition Temperature	392 °C
Partition coefficient: N-octanol/water:	No data available
Viscosity:	Not relevant

9.2. Other information: No data available.

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable under normal conditions of storage and handling (section 7).

10.3. Possibility of hazardous reactions: Dangerous reactions are not to be expected when handling product according to its intended use.

10.4. Conditions to avoid: No data available

10.5. Incompatible materials: Acids

10.6. Hazardous decomposition products: No hazardous decomposition products known

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

11.1.1. Substances

Acute toxicity: Data from the scientific literature on components are summarized below.

Acute oral toxicity	LD50 > 2000 mg/kg bodyweight, Species rat, Method OECD 423, Source ECHA
Acute dermal toxicity	No data available
Acute inhalation toxicity	no data available
Skin irritation	Species rabbit, Method OECD 404, Source ECHA, Evaluation non-irritant
Eye irritation	Species rabbit, Method OECD 405, Source ECHA, Evaluation non-irritant
Respiratory or skin Sensitization	Species guinea pig, Method OECD 406, Source ECHA, Evaluation non-sensitizing
Germ cell mutagenicity	Species rat, Method OECD 414, Source ECHA, Evaluation/classification Based on available data, the classification criteria are not met.
Carcinogenicity	No data available
Specific target organ systemic Toxicity Single Exposure	No data available
Specific target organ systemic Toxicity Repeated Exposure	No data available / Developmental Toxicity Screening Test)
Aspiration hazard	Not relevant
Symptoms related to physical/chemical And toxicological characteristics	Eye contact may cause mechanical irritation through dust particles
Delayed and immediate effects	Inhalation of dust may irritate the respiratory tract.

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Acute toxicity to fish	LC50 > 100 mg/l, Duration of exposure 96 h, Species Salmo trutta
Chronic toxicity to fish	No data available
Acute toxicity to Daphnia	EC50 > 100 mg/l, Duration of exposure 48 h, Species Daphnia magna
Chronic toxicity to Daphnia	No data available
Acute toxicity to algae	EC50 > 100 mg/l, Duration of exposure 72 h, Species Scenedesmus capricornutum
Chronic toxicity to algae	No data available.
Bacteria toxicity	No data available

12.2. Persistence and degradability: No data available.

12.3. Bio accumulative potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment: PBT assessment: The product is not considered to be a PBT. vPvB assessment: The product is not considered to be a vPvB.

12.6. Other adverse effects: No data available.

12.7 Other information: Do not discharge product unmonitored into the environment.

Section 13. DISPOSAL CONSIDERATIONS

Product - Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging - Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

Section 14. TRANSPORT INFORMATION

Exempt from transport classification and labelling.

UN-No	None.
Proper Shipping Name	Refer to Sections 1 and 3 for product name and chemical name(s)
IMO / IMDG	Not a dangerous substance.
ICAO / IATA	Not a dangerous substance.
RID/ADR	Not a dangerous substance.
D.O.T. Hazard Classification	Non-hazardous material.
General Information	The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.
Other information	Environmental hazards: None known Special precautions for user: Refer to Sections 2, 7, 8, 9, 10

Section 15. REGULATORY INFORMATION

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation):

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This substance is not subject to Part I or 2 of Annex I

National regulations

National chemical inventories

USA (TSCA)	listed
DSL/NDSL (Canada)	DSL listed
ENCS (Japan)	listed
ECL (Korea)	listed KE-00980
AICS (Australia)	listed
IECSC / NEPA (China)	listed
PICCS (Philippines)	listed
NZIoC (New Zealand)	listed

CSNN (Taiwan) listed

15.2 Chemical safety assessment No data available.

Section 16. OTHER INFORMATION

Sources of key data used for data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and eco toxic data, are indicated directly in the corresponding chapter.

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