



## Material Safety Data Sheet

# A1 ATP Powder

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**Product name:** A1 ATP Powder

**Supplier:** Acrylic One  
Nijverheidsweg 15 A  
3251 LP Stellendam  
++31-187-663006  
[info@acrylicone.com](mailto:info@acrylicone.com)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	EC/Reach	%WW
Aluminium Trihydrate	21645-51-2	244-492-7 01-211959292246-39	100

### 3. HAZARDS IDENTIFICATION

**Classification** EC 1272/2008: Not Classified  
EC 67/548: Not Classified

**Signal Word(s)** None

**Label Element(s)** None

**Other Hazards** Slip hazard when spilled material becomes wet  
Avoid dust formation

### 4. FIRST AID MEASURES

**General Advice** In case of doubt or when symptoms persist, seek medical attention

**Skin Contact** Wash the affected area carefully with soap and clean water.

**Eye Contact** Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes

**Ingestion** Rinse mouth with water. Do not induce vomiting

**Inhalation** Remove person to fresh air

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Non-combustible

<b>Unusual fire &amp; explosion hazards</b>	None
<b>Protective measures</b>	Use protective equipment appropriate for surrounding materials
<b>Special protective equipment for firefighters</b>	In the event of fire, wear self-contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid dust formation. When exposed to high concentrations of airborne dust, wear a personal respirator in accordance with national legislation.
<b>Environmental precautions</b>	This product does not present any particular risk to the environment. Refer to applicable national and local regulations prior to washing in drain.
<b>Clean-up methods</b>	Pick up mechanically and/or by rinsing with water. Avoid dry sweeping. Use water spraying or ventilated vacuum system to prevent dust formation.
<b>Other information</b>	Personal protection equipment – refer to section 8. Disposal – refer to section 13.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed In case of insufficient ventilation, wear suitable respiratory equipment
<b>Storage</b>	Store in dry area. Keep containers closed and protect from physical damage.
<b>Other precautions</b>	Refer to section 10 for conditions to avoid.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls** Use mechanical ventilation (dilution and local exhaust) to control exposure.

### Personal Protective Equipment

Eye Protection	Safety glasses with side shields.
Skin and Body Protection:	Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential.
Hand Protection:	Impervious gloves: chemical resistant.
Respiratory Protection:	In case of exposure to high levels of airborne dust, wear a respirator in compliance with national legislation.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure:	This product does not present any particular risk for the environment. Refer to applicable national, state and local regulations prior to washing in drain.

### Exposure Limit Values:

Aluminum Trihydrate - CAS: 21645-51-2

ACGIH - TLV-TWA 8-hour 1 mg/m<sup>3</sup> (respirable)

Austria - OELs - MAKs	5 mg/m <sup>3</sup>
Austria - OELs - STELs	10 mg/m <sup>3</sup>
Austria – MAK – STEL	6 mg/m <sup>3</sup>
Finland – OEL – TWAs	2 mg/m <sup>3</sup>
France – OEL – TWAs	not established
France – OEL – STELs	not established
Germany – DFG – Recommended	4 mg/m <sup>3</sup>
Exposure limits – MAK Values	1,5 mg/m <sup>3</sup>
Germany (TGRS903) – BAT	200 ug/m <sup>3</sup>
Poland – OEL – TWAs	2,5 mg/m <sup>3</sup>
	1,2 mg/m <sup>3</sup>
Russia –OELs –TWAs	6 mg/m <sup>3</sup>
Slovak Republic –OEL –TWA	1,5 mg/m <sup>3</sup>
Sweden - OEL - 8 Hour	1 mg/m <sup>3</sup> (som Al)

Switzerland - TWA 3 mg/m<sup>3</sup>  
UK - EH40 OES – TWA 4 mg.m-3 (respirable dust); 10 mg.m-3 (inhalable dust)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White powder
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	No information available
<b>pH:</b>	8.4 - 10.2, (5% water suspension)
<b>Boiling point</b>	Not applicable
<b>Freeze Point</b>	Not applicable
<b>Flash point</b>	Non-combustible
<b>Evaporation Rate</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density</b>	Not applicable
<b>Density</b>	2,4 g/cm <sup>3</sup> , 20°C
<b>Water Solubility</b>	Insoluble
<b>Auto ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	200° C

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	None
<b>Stability</b>	Stable under normal Conditions
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerisation will not occur.
<b>Conditions to Avoid</b>	None known
<b>Materials to avoid(incompatible)</b>	Strong acids
<b>Hazardous decomposition products</b>	None

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Data from the scientific literature on components are summarized below.
<b>Chronic toxicity</b>	No evidence of mutagenic, reproductive or carcinogenic effects.
<b>Sensitization</b>	Does not cause sensitization.
<b>Eye irritation</b>	Non-irritating.
<b>Skin irritation</b>	Non-irritating.
<b>Inhalation</b>	Dust may irritate the respiratory system.
<b>Ingestion</b>	May cause discomfort if swallowed.

## 12. ECOLOGICAL INFORMATION

<b>Eco toxicity</b>	EC50 (Fish) > 10000 mg/l, EC50 (Daphnia) > 10000 mg/l
<b>Persistence / Degradability</b>	Non-degradable
<b>Bio accumulative potential</b>	Inert Material
<b>Mobility</b>	Inert material.
<b>Other Adverse Effects</b>	None known.

### Aluminium Trihydrate – CAS: 21645-51-2

Germany – Water 5220: 0  
Classification (vvVwS)- Annex 3

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national regulations.

**Aluminium Trihydrate – CAS: 21645-51-2**

European Waste Catalogue (EWC):

060299

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

Health Safety and Environmental regulations / legislation for the substance or mixture

Component(s) of the product are on the following Inventory lists:

COMPONENT(S)	EC / REACH	Australia (AICS)	Canada (IECSC)	China	Korea(KECL) (NZLoC)	New Zealand (PICCS)	Philippines	USA(TSCA)
Aluminium Trihydrate CAS: 21645-51-2	244-492-7 01-2119529246-39	present	present	present	KE-00980	present	present	present

Regulation (EC) 1907/2006: REACH

Registered with an OR for import to EU

**16. OTHER INFORMATION****Abbreviations**

ACRONYMS:

INTERNATIONAL:

ADR: International Carriage of Dangerous Goods by Road

BOD: Biochemical Oxygen Demand

CLP: Classification, Labeling and Packaging

COD: Chemical Oxygen Demand

D.O.T.: U.S. Department of Transportation

ICAO International Civil Aviation Organization

IATA: International Air Transport Association (IATA)

IMO::International Maritime Organization.

MDG::International Maritime Dangerous Goods

OES: Occupational Exposure Standard

OR: EU REACH Only Representative

PPE: Personal protection equipment

RID: International Carriage by Rail

TLV-STEL: Threshold Limit Values - Short Term Exposure Limits

TWA: Time Weighted Averages

**DISCLAIMER OF LIABILITY**

The information in this MSDS was obtained from sources we believe are reliable. However, this information is provided without

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MSDS A1 ATP Powder

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