



Compounding Solutions

2B Minerals S.r.l.

Legal and administrative seat: Viale Europa, 81 - 41011, Campogalliano (MO), ITALY.

Tel. +39 059 527059 Fax +39 059 527633 e-mail: lionexp@yahoo.it

The Company's fully paid-up share capital of € 10,000 - Tax Code, VAT Identification Code and Register of Undertakings 02364590352

SAFETY DATA SHEET (REG. 1907/2006/EC - REACH - art. 32)

NAME OF THE SUBSTANCE: **Alumina Trihydrate**

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Date of review: 11 November 2019

1. IDENTIFICATION OF SUBSTANCE/PRODUCT AND COMPANY/BUSINESS

1.1 Product identification

Trade name: 2B-ATH5, 2B-ATH10, 2B-ATH100, 2B-ATH200, 2B-ATH200 LW, 2B-ATH900, 2B-ATH500, 2B-ATH350, 2B-ATH100N, ALOLT60DLS
Chemical name: Aluminium hydroxide
CAS No.: 21645-51-2
EC No.: 244-492-7
INDEX No. -
Classification and labelling identification number -
REACH registration number 01-2119529246-39-xxxx

1.2 Use of product

Intended permitted use: Industrial applications: fire retardant, colourant, mineral filler, refractories, ceramics, glassware, chemical products, personal hygiene products, surface treatment (TiO₂ coating, chemical reagents, composites, friction materials, friction fibres).
Not to be used for: Not provided.

1.3 Supplier

Company name: 2B Minerals S.r.l.
Address: Viale Europa, 81 - 41011, Campogalliano (MO)
Telephone: +39 (0)59 527059
Fax: +39 (0)59 527633
e-mail: quality@2bminerals.it

1.4 Number in case of emergency

2B Minerals S.r.l: +39 (0)59 527059 (during office hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 1273/2008/EC – CLP: Not classified
Classification according to 67/548/EEC: Not classified

2.2 Label elements

The product does not have to be labelled.

2.3 Other hazards

The product is a non-organic substance and does not meet criteria for PBT or vPvB assessment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical identity

Chemical name: Aluminium hydroxide >99%
Chemical formula: Al(OH)₃
CAS No. 21645-51-2
EC No. 244-492-7
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4. FIRST AID MEASURES

4.1 Description of first aid measures

- 4.1.1 On skin contact: Rinse with water and soap.
- 4.1.2 On eyes contact: Rinse immediately with plenty of water for at least 15 min. In case of prolonged irritation, seek medical advice.
- 4.1.3 Swallowing: Wash out mouth with water.
- 4.1.4 Inhalation: Move the affected person into the fresh air.

4.2 Most important symptoms and effects, both acute and delayed

No acute or delayed symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

Generally, due to product properties it is not required to take any urgent medical intervention.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

The product is refractory. In case of fire follow rules adequate for other materials present.

5.2 Special exposure hazards

None.

5.3 Advice for firefighters

The product is refractory. In case of fire follow rules adequate for other materials present.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Provide adequate ventilation.

6.2 Environmental precautions

No special measures.

6.3 Methods and materials for containment and cleaning up

In order to prevent dust formation, avoid dry cleaning and use wet cleaning systems and vacuum cleaners.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid dust formation. Provide proper ventilation in areas where dust formation is likely. With insufficient ventilation, use proper breathing system conforming to requirements of applicable EC standards. It is recommended to remove the product using wet cleaning systems or vacuum cleaners. For recommendations on safe handling, contact your supplier.

Do not eat, drink or smoke in workplace where the substance is used. Wash hands after use. Before entering the areas, where meals and drinks are served, take off the contaminated clothing and protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Engineering measures/precautions: provide removal of dust formed during loading. Keep the containers closed and store products in bags in such manner so as to prevent their accidental release.



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7.3 Specific end use(s)

Contact your supplier for advice on specific end use(s).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limit value

Powders containing less than 1% of free crystalline silica (ACGIH 2010):

CAS No.	EINECS No.	Name	Type	Limit values (TLV - TWA)
--	--	Total powders	Inhalable fraction	10 mg/m ³
--	--	Total powders	Respirable fraction	3 mg/m ³

8.2 Exposure controls

8.2.1 Recommended technical controls:

Provide proper ventilation and filtration in areas where dust formation is likely. Respect the limits for the emissions in the atmosphere.

Wash hands before breaks and after work. Take off and wash the dusted clothing. See also Section 7.

8.2.2 Personal protection

Respiratory protection:

In case of exposition to concentrations of powders exceeding the limit values, use a P2 class respiratory equipment, conform to the applicable EC standards.

Eye protection:

Wear protective glasses with lateral protection wings, conform to the applicable EC standards.

Hand protection:

Normally not required.

Skin protection:

Normally not required.

8.2.3 Environmental exposure controls

Respect the limits for the emissions in the atmosphere.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance and colour:	Solid, in granules or powder, white
Odour:	Odourless
pH-value:	8.5 - 9
Melting point:	300° - 600°C (decomposition with water)
Boiling point/range:	N/A
Flash point:	N/A
Flammability (solid, gas):	N/A
Limitations on flammability/explosiveness:	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Evaporation rate:	N/A
Relative density:	2.42 g/cm ³
Solubility in water:	Insoluble
n-octanol/water partition coefficient:	N/A
Auto-ignition temperature:	N/A
Viscosity:	N/A
Explosive properties:	Non-explosive
Oxidizing properties:	Non-oxidizing

9.2. Other information.

No data.



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10. STABILITY AND REACTIVITY

Reactivity	Non-reactive
Chemical stability	Stable
Risk of hazardous reactions	After contact with strong acids may cause violent reactions
Conditions to be avoided	Dust formation
Incompatible materials	Strong acids
Hazardous decomposition products	None

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	No data.
Skin corrosion/irritation:	Non-observed effects
Eye damage/irritation:	Non-acute effects of mechanical abrasion
Sensitisation:	Non-observed effects
Mutagenicity:	Non-observed effects
Carcinogenicity:	Non-observed effects
Toxicity for reproduction:	Non-observed effects
STOT – single exposure:	Non-observed effects
STOT – repeated exposure:	Non-observed effects
Aspiration hazard:	N/A
Possible routes of exposure:	Inhalation, swallowing and skin/eye contact

Influence on health

Adverse effects resulting from use of the product in conformity with general industrial hygiene practice are not known.

12. ECOTOXICOLOGICAL INFORMATION

No ecotoxicological information is known. No special adverse effects on the environment are known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal of residues/ unused product: can be disposed of in dumps in compliance with regulations in force. The material must be covered to prevent emission of inhalable dust. Recycling is preferable to elimination, where possible.

Observe the regulations currently in force (Legislative Decree no. 152/06 and above).

Packaging: comply with the regulations concerning recyclable materials. In any event, it is necessary to prevent dust formation due to residues present in the packing, and to provide the worker with adequate protection.

Observe the regulations currently in force (Legislative Decree no. 152/06 and above).

14. TRANSPORT INFORMATION

No special precautions are required as per the UN regulation for transport of hazardous materials.

15. REGULATORY INFORMATION

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

Regulation No. 1907/2006 – REACH

SVHC Substances – art. 50 (Candidate List) N/A

Authorizations (Appendix XIV) N/A

Limitations (Appendix XVII) N/A

15.2 Chemical safety assessment

N/A



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16. OTHER INFORMATION

Abbreviations and acronyms:

N/A Not applicable

N/D No data.

Materials from third parties

No liability shall be accepted for use of materials not manufactured or not supplied by 2B Minerals S.r.l. with or instead of 2B Minerals S.r.l. materials. In such cases, it shall be the user's responsibility to obtain all the information and specifications concerning properties of materials of this or other types and any necessary details from each manufacturer or supplier. The 2B Minerals S.r.l. company shall not be responsible for use of its materials in combination with materials supplied by other suppliers.

Responsibility

The details provided correspond to the current condition to the best of the 2B Minerals S.r.l. knowledge and experience as for the date indicated. However, 2B Minerals S.r.l. cannot guarantee complete accuracy, reliability and completeness. It is the user's responsibility to obtain adequate and complete information regarding the use of the product.

Date of issue/Date of review:

22/12/2010

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