

SUPAALUMINA™

ACTIVATED ALUMINA SPHERES

Prepared according to EU No. 1907/2006 Annex II
as amended by No. 453/2010

Issue No. 03 Revision Date: 17th May 2011

[1] Product identification:

- 1.1 Product Identifier:** SUPAALUMINA™ Activated Alumina Spheres
1.2 Relevant Use: Drying Agent
1.3 Supplier: Baltimore Innovations Limited, Innovations House, Jacksons Business Park, Wessex Road, Bourne End, Bucks, SL8 5DT, UK
Website: www.baltimoreinnovations.co.uk
Email: safety@baltimoreinnovations.co.uk
Telephone: + 44 (0)1628 531900
Fax: + 44 (0)1628 531100
1.4 Emergency Telephone: + 44 (0)7713 505942

[2] Health Hazard Info:

2.1 Classification

Not classified

2.2 Label Elements

None

2.3 Other Hazards

Product generates heat during adsorption and if a large quantity of activated alumina quickly adsorbs water, the adsorbent can become hot enough to cause thermal burns of the skin; contact has to be avoided under these conditions.

To avoid the risk of explosion in the presence of flammable liquids, gases or dust, you are advised to earth containers electrically when pouring.

Prolonged or repeated inhalation of this dust generated from this material may cause lung injury.

[3] Composition:

3.1 Substances

Aluminium Oxide

ENICS number: 215-691-6

CAS number: 1344-28-1

Impurity levels are not listed as classified being non hazardous or at concentration levels that are below reportable levels

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[4] First Aid Measures:

4.1 Description of first aid measures

Inhalation: Seek fresh air. If symptoms persist, then consult a doctor.

Skin Contact: Wash immediately with soap & water, and remove effected clothing. If symptoms persist, then consult a doctor.

Eye Contact: Rinse immediately with copious water for 15 minutes holding the eyelids open. If symptoms persist, then consult a doctor.

Ingestion: Do not induce vomiting. If quantity ingested is high or symptoms appear consult a doctor.

4.2 Important symptoms and effects, both acute and delayed

Inhalation: May cause irritation to the respiratory tract, and may be accompanied by coughing and chest discomfort.

Skin Contact: May cause irritation to the skin.

Eye Contact: May cause irritation to the eyes.

Ingestion: Product has low oral toxicity, however may cause irritation if ingested.

4.3 Special treatment needed

If inhalation has occurred move the exposed person to fresh air and then consult a doctor for this, similarly for skin contact wash immediately with soap & water, eye contact rinse with copious water for 15 minutes and ingestion do not induce vomiting but if irritation continues for this or any of the other above symptoms persist consult a doctor.

[5] Fire Fighting Measures:

5.1 Extinguishing media

Use what is appropriate to the surrounding fire conditions.

5.2 Special hazards arising

The burning of this material may cause irritating, toxic and or noxious fumes.

5.3 Advise for fire fighters

You are advised to wear suitable respiratory equipment if necessary.

[6] Accidental Release Info:

6.1 Personal Precautions, protective equipment and emergency procedures

Ensure adequate ventilation of affected area

6.2 Environmental Precautions

Inform local water authority if large quantity is in contact with water. Try to prevent the spill entering the drainage system, where is it safe to do so.

6.3 Methods and material for containment and cleaning up.

Adsorb with inert absorbent materials, and transfer these to suitable labelled containers for disposal

6.4 Reference to other sections

Not applicable

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[7] Handling and storage:

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Ensure adequate ventilation of the working area. Use best practice when manual handling the commodity

7.2 Conditions for safe storage, including any incompatibilities

To maintain quality and performance keep the containers tightly closed in a cool, dry, well ventilated area.

7.3 Specific end use

Not applicable

[8] Personal Protection:

8.1 Control parameters

Ensure adequate ventilation in working area.

8.2 Exposure controls

Breathing Protection: Wear suitable respiratory equipment.

Hand Protection: Use chemical resistant gloves

Eye Protection Use protective glasses.

Protective Equipment:: Wear protective clothing

[9] Physical Properties:

9.1 Information on basic physical and chemical properties

(a) Appearance: Sphere and colour white

(b) Odour: Odourless

(c) Odour Threshold: Not applicable

(d) pH: 9.4-10.1

(e) Melting Point: 2,050°C

(f) Initial boiling point & range: Not applicable

(g) Flash Point: Not applicable

(h) Evaporation Rate: Not applicable

(i) Flammability: Not applicable

(j) Explosive Limits: Not applicable

(k) Vapour Pressure: Not applicable

(l) Vapour Density: Not applicable

(m) Relative Density: 3.0

(n) Water Solubility: Immiscible in water

(o) Partition coefficient: Not applicable

(p) Auto-Ignition Temperature: Not applicable

(q) Decomposition Temperature: Not applicable

(r) Viscosity: Not applicable

(s) Explosive Properties: Not applicable

(t) Oxidising Properties: Not applicable

9.2 Other Information None Available

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[10] Stability / Reactivity:

10.1 Reactivity

Material reacts with chlorine trifluoride to produce flames, and can cause ethylene oxide to polymerise releasing heat.

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions Not applicable

10.4 Conditions to avoid

Incompatible materials, dust generation and excess heat

10.5 Incompatible materials

Not applicable

10.6 Hazardous decomposition products

No decomposition if used as directed.

[11] Toxicological info:

11.1 Information on toxicological effects

(a) Acute Toxicity:

May be harmful by ingestion, inhalation, or if in contact with skin. Ingestion may cause nausea and/or vomiting.

(b) Skin corrosion/irritation:

May cause skin irritation

(c) Serious eye damage/irritation:

May cause eye irritation

(d) Respiratory or skin sensitisation:

May cause irritation

(e) Germ cell mutagenicity:

Not applicable

(f) Carcinogenicity:

Not applicable

(g) Reproductive toxicity:

No data

(h) STOT- single exposure:

No data

(i) STOT- repeated exposure:

No data

(j) Aspiration hazard:

No data

[12] Ecological Info:

12.1 Toxicity

12.2 Persistence and degradability

Not applicable

12.3 Bioaccumulative potential

Not applicable

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Not applicable

[13] Disposal Considerations:

13.1 Waste treatment methods

Dispose of this material in accordance with local and national regulations. Do not allow product to enter into drains.

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[14] Transportation Information:

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	
This product is not classified as dangerous for carriage.	
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

[15] Regulatory Info:

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

Prepared according to (EC) No. 1907/2006/EC
(EC) No. 1272 / 2008

15.2 Chemical Safety Assessment

This product is classified as 'NSH' – No Significant Hazard.
Chemical Safety Assessment Report, has not been carried out.

[16] Other Information:

We hope the other information given here will be helpful. It is based on data and knowledge, which we believe to be true and accurate and is offered for your consideration, investigation and verification. Accordingly, save in the event of gross negligence or wilful misconduct of our agents and ourselves we will not be liable for any damages resulting from errors, omissions or non-compliance of the information set forth herein. Further, please read all statements, recommendations or suggestions in conjunction with our General Conditions of Delivery, Performance and Payment, which limit our liability with respect to all goods, supplied by us. Test methods are available on request.

END OF DATASHEET