

SAFETY DATA SHEET- BATT WASH (ALUMINA)

According to regulation (EC) No 2020/878

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Batt Wash (Alumina)

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

Use of the substance/mixture

Used to prevent sticking during firing.

1.3 Details of the supplier of the safety data sheet

Valentine Clays LTD

Valentine Way

Stoke on Trent

ST4 2FJ

t: +44 (0)1782 271200

e: sales@valentineclays.co.uk

w: www.valentineclays.co.uk

1.4 Emergency Telephone Number

+44 (0)1782 271200

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Physical and chemical hazards- Not classified

Human health- Not classified

Environment- Not classified

Full text of H-phrases- see section 16

Classification according to Directive 67/548/EEC

Not classified

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

No labelling applicable.

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2.3 Other Hazards

Other Hazards not contributing to the classification

Chronic (long-term) health hazard. This product contains crystalline silica. Repeated inhalation of dusts containing crystalline silica over time can cause lung disease and cancer. Avoid dust creation. Do not inhale dusts from this product. Use a vacuum or wet clean-up method to remove dusts. In common many minerals contains low levels of naturally occurring radioactive elements of the uranium and thorium series. The main radiological hazard from the product is internal exposure to alpha particles given off in small amounts by inhaled dust. Suitable dust control measures shall be employed to ensure occupational exposure to generated dust and alpha particles are kept as low as reasonably achievable. Low level gamma radiation from bulk or bagged stockpiles of the product may present a lesser, external hazard.

Section 3: Composition/information on ingredients

3.1 Substance

Substance	CAS No	EC-No	%	Classification (67/548/EEC)	Classification (1272/2008/EC)
Calcined Alumina	1344-28-1	-	60	Not Classified	Not Classified

Full text of R-, H- and EUH-phrases: see section 16

Section 4: First Aid Measures

4.1 Description of first aid measures

After Inhalation- Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

After Ingestion- Rinse mouth thoroughly. Get medical attention if any discomfort continues.

After Eye Contact- Make sure to remove any contact lenses from the eyes before rising. Rinse eye with water immediately. Get medical attention if any discomfort continues.

After Skin Contact- Wash skin with soap and water. Get medical attention if irritation persists after washing.

4.2 Most important symptoms and effects, both acute and delayed

After Inhalation- May cause coughing. Irritation to respiratory tract.

After Ingestion- No specific symptoms noted.

After Eye contact- May cause eye irritation. Redness of the eye tissue.

After Skin contact- No specific symptoms noted.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media

All extinguishing media allowed.

Unsuitable Extinguishing Media

None

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5.2 Special Hazards arising from the substance mixture

Fire Hazard

The product is not flammable

Explosion Hazard

No explosive properties known

Reactivity

Stable under normal conditions of handling and storage

5.3 Advice for firefighters

Fire Fighting Instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire/ Prevent fire-fighting water from entering environment.

Protection During Fire Fighting

Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures

General measures- Keep public away from danger area. See section 8.2. avoid dust production

For non-emergency personnel- Evacuate personnel to a safe area

For emergency responders- Equip clean-up crew with proper protection. Ventilate area.

6.2 Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Sweep or shovel spills into appropriate container for disposal. Avoid dust production.

6.4 Reference to other sections

See section 8 and 13 for more information.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Precautions for Safe Handling

Do not breathe dust. Wash hands plentifully and other exposed areas with water after handling. Remove contaminated clothing and shoes. Wash clothing before re-using.

Packaging

Even those that have been emptied, will retain product residue. Always obey safety warnings and handle empty packages as if they were full. Avoid all contact with this substance.

Hygiene Measures

When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and shoes.

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7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in dry, cool, well-ventilated area. Keep away from food, drink and animal feeding stuffs.

Incompatible Products

Strong bases. Strong acids

Incompatible Materials

Remove all sources of ignition. Protect material from direct sunlight.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2

Section 8: Exposure Controls/ Personal Protection

8.1 Control Parameters

Name	United Kingdom
Calcined Alumina	TWA - 8 Hrs 10 mg/m ³ total dust STEL - 15 Min 4 mg/m ³ resp. dust

Exposure Limits

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust).

Ingredients Comments

Dust contains respirable silica. Prolonged and/or massive inhalation of respirable silica dust may cause lung fibrosis. Commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable dust should be monitored and controlled. The product should be handled using methods and techniques that minimise or eliminate dust generation. The product contains less than 1% w/w RCS (respirable crystalline silica) as determined by the SWERF method. The respirable crystalline silica content can be measured using the "Size Weighted Respirable Fraction – SWERF" method. All details about the SWERF method are available at www.crystallinesilica.eu

8.2 Exposure Controls

Appropriate Engineering Controls

Use as far as possible in a closed system. Provide a regular control of the atmosphere. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Local exhaust and general ventilation must be adequate to meet exposure standards. Please refer to the annex (exposure scenarios).

Hand Protection

Use gloves resistant to chemical products corresponding to EN 374:3. Take advice to gloves' manufacturer.

Eye Protection

Wear safety glasses with side shields according to EN 166.

Skin and Body Protection

Wear closed protective clothing.

Respiratory Protection

Use respiratory protection mask according to EN 140 or EN 405 with filter type P3 according to EN 143:2000 or FFP3 according to EN 149:2001.

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Environmental Exposure Controls

Avoid release to the environment.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state- Solid Powder

Colour- White

Odour- odourless

Odour threshold- Not applicable

pH- Neutral

Relative evaporation rate (butylacetate=1)- No data available

Melting point- >1,000 °C

Freezing point- No data available

Boiling point- No data available

Flash point- Not flammable

Self-ignition temperature- Not applicable

Decomposition temperature- No data available

Flammability (solid, gas)- Not flammable

Vapour pressure- Not applicable

Relative vapour density at 20 °C- No data available

Relative density- 2400 - 2700 kg/m³

Density- 4.1-4.6 at 20°C

Solubility- Material insoluble in water.

Log Pow- Not applicable

Log Kow- Not applicable

Viscosity, kinematic- Not applicable

Viscosity, dynamic- Not applicable

Explosive properties- Not explosive

Oxidising properties- No data available.

Explosive limits- Not applicable

9.2 Other Information

No other information available.

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Section 10: Stability and Reactivity

10.1 Reactivity

No specific reactivity hazards associated with this product

10.2 Chemical Stability

Stable under normal conditions of handling and storage

10.3 Possibility of Hazardous Reactions

Not Established

10.4 Conditions to Avoid

Not Relevant

10.5 Incompatible Materials

Incompatible with acids (e.g. Nitric acid)

10.6 Hazardous Decomposition Products

May evolve toxic gases if heated to decomposition.

Section 11: Toxicological Properties

11.1 Information on toxicological effects

Inhalation- Dust in high concentrations.

Ingestions- May cause discomfort if swallowed.

Skin Contact- Powder may irritate skin.

Eye Contact- Particles in the eyes may cause irritation and smarting.

Section 12: Ecological Information

12.1 Toxicity

No additional information available.

12.2 Persistence and degradability

Not established.

12.3 Bio accumulative potential

Not established.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Not additional information available.

12.6 Other adverse effects

Avoid release to the environment.

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Section 13: Waste Disposal

13.1 Waste treatment methods

Waste Disposal Recommendations

Dispose in a safe manner and in accordance with local authority requirements.

Ecology- Waste Materials

Avoid release to the environment.

Section 14: Transport Information

14.1 UN number

The product is not covered by international regulation on transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2 UN proper shipping name

Not classified for transportation.

14.3 Transport hazard class(es)

Not classified for transportation.

14.4 Packaging group

Not classified for transportation.

14.5 Environmental hazards

Other information: No environmental hazards known with this product.

14.6 Special precautions for user

Not classified for transportation.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

Section 15: Regulatory Information

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

EU Regulations

No REACH Annex XVII restrictions.

National Regulations

Ensure all national/local regulations are observed.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulations (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

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15.2 Chemical Safety Assessments

No Chemical Safety Assessment has been carried out.

Section 16: Other Information

This data sheet is provided under CLP and REACH Regulation and is not intended to constitute an assessment of workplace risk associated with product(s) used as required under any other Health and Safety Regulation.

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

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