



# ALCHEMY MINERAL

## SAFETY DATA SHEET- CALCINED BAUXITE

January 3, 2019

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### IDENTIFICATION

**Product name:** Calcined Bauxite

**Synonyms:** RASC Bauxite, Rotary (Rota) Bauxite, Round Kiln (RK) Bauxite, Shaft Kiln (SK) Bauxite

**Product Use:** Precision castings and molds.

**Restrictions On Use:** No Information Available.

**Formula:**  $\text{Al}_2\text{O}_3$  (> 85%)

**Supplier:** Alchemy Mineral LLC  
1101 2nd Ave Unit 4  
Dayton, KY 41074

**Emergency Number:** 859-609-0743

**Fax:** 859-689-1401

**Web:** <https://alchemymineral.com/>

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### HAZARDS IDENTIFICATION

*Classification of The Substance or Mixture:*

**Component Classified:** None

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):** Not Classified

*GHS Label elements, including precautionary statements*

**Pictogram:** Not applicable

**Signal word:** No signal word

**Hazard statement(s):** No known significant effects or critical hazards

**Precautionary statement(s):** Not applicable

**Hazards not otherwise classified (HNOC) or not covered by GHS:** None



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## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%	CAS #	EC #	Classification	
				67/548/EEC	Regulation (EC) # 1272/2008 [CLP]
Aluminum Oxide	>85	1344-28-1	215-691-6	Not classified	Not classified
Quartz	<10	14808-60-7	238-878-4	Not classified	Not classified
Titanium Oxide	<5	13463-67-7	236-675-5	Not classified	Not classified
Iron (III) Oxide	<3	1309-37-1	215-168-2	Not classified	Not classified

## 4 FIRST AID MEASURES

### *Description of First Aid Measures:*

**Inhalation:** Immediately move the exposed person to fresh air. Seek medical attention if any discomfort continues.

**Ingestion:** Rinse mouth thoroughly. Seek medical attention if any discomfort continues.

**Skin contact:** Wash skin with soap and water. Seek medical attention if irritation persists after washing.

**Eye contact:** Make sure to remove any contact lenses from the eyes before rinsing. Rinse eye with water immediately. Seek medical attention if any discomfort continues.

### *Most Important Symptoms and Effects, Both Acute and Delayed:*

**Inhalation:** No specific symptoms noted.

**Ingestion:** No specific symptoms noted.

**Skin contact:** No specific symptoms noted.

**Eye contact:** No specific symptoms noted.

### *Indication of any Immediate Medical Attention and Special Treatment Needed*

Treat symptomatically.



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## 5 FIRE-FIGHTING MEASURES

**Extinguishing Media:** This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**Hazardous Combustion Products:** None under normal conditions.

**Special Fire Fighting Procedures:** No specific fire fighting procedures given.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Follow precautions for safe handling described in this safety data sheet.

**Environmental Precautions:** This product should only be disposed of in accordance with state and federal regulations.

**Methods and Material for Containment and Cleaning Up:** Avoid dust formation. Clean spills with vacuum cleaner. If not possible, collect the spill with shovel, broom or the like. Transfer to a container for disposal.

## 7 HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid handling which leads to dust formation. Avoid inhalation of high concentrations of dust. Observe occupational exposure limits and minimize the risk of inhalation of dust.

**Conditions for Safe Storage, Including Any Incompatibilities:** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:** Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

**Respiratory Equipment:** No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Wear dust masks in dusty areas.

**Hand Protection:** No specific hand protection noted, but gloves may still be advisable.

**Eye Protection:** Wear dust resistant safety goggles where this is a danger of eye contact.

**Other Protection:** Provide eyewash station.

**Hygiene Measures:** Wash hands at the end of each work shift and before eating, smoking and using the toilet.



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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### *Information on Basic and Physical and Chemical Properties*

**Appearance:** Granular

**Color:** Yellow, Beige / Grey

**Odor:** Odorless

**Solubility:** Insoluble in water

**Melting point (°C):** 2000

**Relative density:** > 3.1

**Other information:** Not relevant

## 10 STABILITY AND REACTIVITY

**Reactivity:** No specific reactivity hazards associated with this product.

**Chemical Stability:** Stable under normal temperature conditions.

**Possibility of Hazardous Reactions:** Not relevant.

**Conditions to Avoid:** No specific conditions are likely to result in a hazardous situation.

### *Incompatible materials*

**Materials to Avoid:** No specific materials, or groups of materials, are likely to react to produce a hazardous situation.

**Hazardous Decomposition Products:** None under normal circumstances.

## 11 TOXICOLOGICAL INFORMATION

**Eye:** Particles in the eyes may cause pain and irritation.

**Skin:** Powder may irritate skin.

**Inhalation:** Dust in high concentrations may irritate the respiratory system.

**Ingestion:** May cause discomfort if swallowed.

### *Acute Toxicity:*

**Acute toxicity (Oral LD50):** Not relevant.

**Acute toxicity (Dermal LD50):** Not relevant.

**Acute toxicity (Inhalation LC50):** Not relevant.

**Other:** This substance has no evidence of carcinogenic properties.



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## 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** Not regarded as dangerous for the environment.

**Acute fish toxicity:** Not considered toxic to fish.

***Persistence and Degradability:***

**Degradability:** The product is not readily biodegradable.

**Bioaccumulative Potential:** The product is not bioaccumulating.

**Mobility in Soil:** Not relevant, due to the form of the product.

**Results of PBT and vPvB assessment:** This product does not contain any PBT or vPvB substances.

**Other Adverse Effects:** None known.

## 13 DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:** Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

**Road Transport Notes:** Not classified.

**Rail Transport Notes:** Not classified.

**Sea Transport Notes:** Not classified.

**Air Transport Notes:** Not classified.

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

***Environmental Hazards:***

**Environmentally hazardous substances / Marine pollutant:** None.



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## 15 REGULATORY INFORMATION

***Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture:***

**Approved code of practice:** Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.

**Guidance notes:** Workplace Exposure Limits EH40.

**EU Legislation:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization 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 16 December 2008 on classification, labeling 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.

**Chemical Safety Assessment:** Not applicable. No chemical safety assessment has been carried out.

## 16 OTHER INFORMATION

Supplier Safety Data Sheet, January 26, 2018.

This Safety Data Sheet has been prepared by Alchemy Mineral LLC.

Reason(s) for Issue:

Revised Primary SDS

Change in company details.

## NOTICE

This SDS summarizes, to our best knowledge at the date of issue, the chemical, health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Alchemy Mineral LLC cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Alchemy Mineral LLC at the contact details on page 1.

Alchemy Mineral LLC's responsibility for the material as sold is subject to its terms and conditions of sale, a copy of which is available upon request.