### 1. Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Synonym</th>
<th>Common Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corindon Artificial SinterLite AFS</td>
<td>Bauxite ($\text{Al}_2\text{O}_3\cdot\text{xH}_2\text{O}$), Sintered</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bauxite ($\text{Al}_2\text{O}_3\cdot\text{xH}_2\text{O}$), Calcined</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bauxite ($\text{Al}_2\text{O}_3\cdot\text{H}_2\text{O}$), Calcined</td>
<td></td>
</tr>
</tbody>
</table>

- **Company**: Mineração Curimbaba Ltda.
- **Address**: Rodovia Poços de Caldas / Caldas - Km 10 CEP 37701-970, Poços de Caldas, Minas Gerais, Brazil
- **Telephone Number**: 0055 35 2107 8000
- **Recommended Use**: Foundry

### 2. Hazard Information

#### 2.1. Classification of the substance or mixture

- **Health**: Not Rated
- **Flammability**: Not Rated
- **Reactivity**: Not Rated

#### 2.2. Elements of the GHS label

- **Symbol of Alert**: NFPA 704

### 3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Nº</th>
<th>EINECS Nº</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bauxite ($\text{Al}_2\text{O}_3\cdot\text{xH}_2\text{O}$), Calcined</td>
<td>92797-42-7</td>
<td>296-578-9</td>
<td>100</td>
</tr>
</tbody>
</table>

### 4. First-Aid Measures

- **Inhalation**: remove to ventilated area if there are many difficulties in breathing, is needed artificial respiration, preferably mouth to mouth if breathing difficulties persist, it will need to administer oxygen, call a doctor
- **Skin Contact**: Wash with plenty of water, if irritation persists, call a doctor
- **Eye Contact**: Flush eyes with plenty of water if irritation progress, call the doctor
- **Ingestion**: If it occurs, seek medical information
- **Actions to avoid**: Not Applicable

### 5. Fire-Fighting Measures

- **Means of Extinction**: Use extinguishing agents suitable for surrounding fire
- **Specific Hazard Substance or Mixture**: Product Nonflammable
- **Measures of Protection Combat Team Fire**: Protection regulation as the entity involved in the fight

### 6. Control Measures Spill or Leak

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedure

- **For staff that is not part of the emergency service**: In case of damage to the packaging and / or spill, the product leave the floor slippery
- **To the staff of the emergency service**: In case of damage to the packaging and / or spill, the product leave the floor slippery floor

### 7. Handling and Storage

- **Precaution for Safe Handling**: Product Inert to the environment - Class II B
- **Conditions for Safe Storage**: Keep the product stored in the original unopened packaging in a clean, dry location; Stacking up three pallets or big bags

### 8. Exposure Control and Personal Protection

#### 8.1. Control Parameters

- **MAK (DE)**: 6 mg/m³
- Other: 5 mg/m³

#### 8.2. Engineering Control Measures

- Use natural ventilation system

#### 8.3. Personal Protective Measures

- **Eye Protection / Face**: Safety Glasses – Ample Vision
- **Skin Protection and Body**: Working Uniform
- **Respiratory Protection**: Not Applicable
- **- Risks Thermal**: Not Applicable

### 9. Physical ad Chemical Properties

- **Appearance**: Solid
- **- Form**: Spherical Grains
- **Color**: Black
- **- Odor**: odorless
- **- pH**: Neutral
- **Melting Point**: 1861°C
- **- Freezing Point**: Not Applicable
- **Initial Point and Boiling range boiling point**: Not Applicable
- **Glaire Point**: Not Applicable
- **- Evaporation Point**: Not Applicable
- **Flammability**: Not Flammable
- **- Lower / Upper Flammable or Explosive Limit**: Not Applicable
- **Vapor Pressure**: Not Applicable
- **Vapor Density**: Not Applicable
- **Apparent Density**: 3,20 g/cm³
- **-Bulk Density**: 1,82 g/cm³
- **Solubility (indicating the solvents)**: Sea, Water Solubility: Insoluble at 20°C
- **Acid Solubility**: 5g of sample in 100mL of 12HCl + 3%HF / 30minutes, Temperature 66°C [150.8ºF]: 0.5%
- **Partition coefficient - n-octane / water**: Not Applicable
- **Auto-Ignition Temperature (spontaneous)**: Not Applicable
- **Decomposition Temperature**: Not Applicable
- **- Viscosity**: Not Applicable

### 10. Stability and Reactivity

#### 10.1. Reactivity

- Not Applicable

#### 10.2. Chemical Stability

- Product Stable

#### 10.3. Possibility of Hazardous Reaction

- Not Applicable

#### 10.4. Conditions to avoid

- Not Applicable

#### 10.5. Incompatibles Materials

- Not Applicable

#### 10.6. Hazardous Decomposition Products

- Not Applicable
11. Toxicological Information
- Acute Toxicity Not Available - Corrosion/Irritation Skin Not Available
- Severe Ocular Injuries / Eye Irritation Not Available - Respiratory or skin sensitization Not Available
- Mutagenicity in Germ Cells Not Available - Carcinogenicity Not Available
- Toxicity to reproduction Not Available - Aspiration hazard Not Available
- Toxicity to specific target organs - Single Exposure Not Available - Repeated Exposure Not Available

12. Ecological Information
12.1. Ecotoxicity
OCNS - E - NL HMCS Categoria E
12.2. Persistence and Degradability Not Available
12.3. Potential for Bioaccumulation Not Available
12.4. Mobility in Soil Not Available
12.5. Other Adverse Effects Not Available

13. Disposal Considerations
13.1. Recommended methods for the Final Destination According to Federal, State and Local regulations for solid inorganic residue
- Disposal of the Package Empty packaging after clean, can be reused or recycled

14. Transportation Information
- Land (Rail/Road) Product is not dangerous for transport by land, under the conditions required by law
- Sea (Maritime, Fluvial, Lacustrine) Not Available
- Air Not Available
- U. S. Department of Transportation [DOT] Not Classified - UN No. Not Classified

15. Regulatory Information
- Sara Hazard Category - Delayed (Chronic) Health Hazard: No
- Immediate (Acute) Health Hazard: No - Reactivity Hazard: No
- Fire Hazard: No - Sudden Release of Pressure: No
- Sara Section 313 Notifications - Delayed (Chronic) Health Hazard: No
- This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372
- TSCA All components of this product are listed, automatically included, or are exempt from listing on the TSCA inventory

16. Other Information
- Requires no special procedures for sampling
- Not recommended for use in foods, drugs and cosmetics
- The information and recommendations found herein apply only to this product, and not combined with any other material
- Failure to follow the above information exempts Mineração Curimba responsibility for the misuse of the product
- All figures expressed in this document are typical values, variations may occur
- The data given are based on the current state of our knowledge
- It is the buyer’s responsibility before using any product to verify the data in operating conditions and determine whether the product is suitable for their purposes

References
- ABNT NBR 14725:2012
- IUCLID Dataset of Bauxite (Al₂O₃.xH₂O), calcined
- ESIS Result for EC# 296-578-9

Abbreviations
- CAS: Chemical Abstract Service
- EINECS: European Inventory of Existing Commercial chemical Substances
- ESIS: European Chemical Substances Information System
- FS: Safety data Sheet
- OCNS Offshore Chemical Notification Scheme
- cm³: Cubic Centimeter
- g: Gram
- mg: Milligram
- °C: Degree Celsius
- MAK: Maximale Arbeitsplatzkonzentration
- MAK-Wert: Maximale Arbeitsplatzkonzentration
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