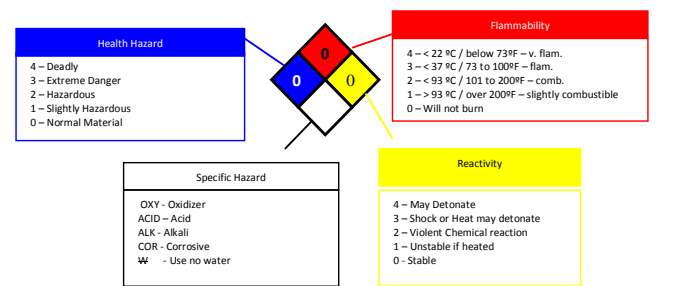


Product: Corindon Artificial SinterLite AFS

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1. Identification				
Product Name		Synonym		Common Name
Corindon Artificial SinterLite AFS		Bauxite (Al ₂ O ₃ .xH ₂ O), Sintered	Bauxite (Al ₂ O ₃ .xH ₂ O), Calcined	Bauxite (Al ₂ O ₃ .xH ₂ O), Calcined
• 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		00 55 35 3729 7600
• Recommended Use		Foundry		
2. Hazard Information				
2.1. Classification of the substance or mixture		Not Rated		
2.2. Elements of the GHS label		Not Applicable		
2.3. Other hazards which do not result in classification				
- HMIS Hazard Rating for products:				
- Health: 0 [minimal] - Flammability: 0 [minimal] - Reactivity: 0 [minimal]				
- Symbol of Alert [NFPA 704]				
				
3. Composition / Information on Ingredients				
3.1. Substance		CAS Nº	EINECS Nº	Concentration %
- Bauxite (Al ₂ O ₃ .xH ₂ O), Calcined		92797-42-7	296-578-9	100
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 your 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			
4.1. Symptoms and Effects most important, acute or backward	Product No Toxic			
4.2. Notes to the doctor	Not Applicable			
5. Fire-Fighting Measures				
5.1. Means of Extinction	Use extinguishing agents suitable for surrounding fire			
5.2. Specific Hazard Substance or Mixture	Product Nonflammable			
5.3. Measures of Protection Combat Team Fire	Protection regulation as the entity involved in the fight			

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6. Control Measures Spill or Leak			
6.1. Personal Precautions, Protective Equipment and Emergency Procedure			
6.1.1. For staff that is not part of the emergency services	In case of damage to the packaging and / or spill, the product leave the floor slippery		
6.1.2. To the staff of the emergency service	In case of damage to the packaging and / or spill, the product leave the floor slippery floor		
6.2. Precautions Environment	Product Inert to the environment - Class II B		
6.3. Methods and materials for containment cleaning	Remove spilled hand using a shovel stuff; if it is in large quantities, use machines shovel loaders for the removal of material		
7. Handling and Storage			
7.1. Precaution for Safe Handling	Driving in an organized and dry place		
7.2. Conditions for Safe Storage	Keep the product stored in the original unopened packaging with identification in a clean, dry location; Stacking up three pallets or big bags		
8. Exposure Control and Personal Protection			
8.1. Control Parameters	MAK (DE)	Other	
- Bauxita (Al ₂ O ₃ .xH ₂ O), calcinada	6 mg/m ³	5 mg/m ³	
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 and Chemical Properties			
• Appearance:	Solid	- Form:	Spherical Grains
• Color:	Black	- Odor:	odorless
• Melting Point:	1861°C	- Freezing Point:	Not Applicable
• Initial Point and Boiling range boiling point :			
• Glare 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/cm ³	- Bulk Density	1,82 g/cm ³
• Solubility (indicating the solvents)			
- Acid Solubility	5g of sample in 100mL of 12HCl + 3%HF / 30minutes, Temperature 66°C [150.8°F]:	Sea\ Water Solubility:	Insoluble at 20°C
• 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		

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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			
-	Mutagen city 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)						
•	Air						
•	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 Curimbaba 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						
-	IUCAL Dataset of Bauxite (Al ₂ O ₃ .xH ₂ O), 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	- MAK (DE):	Der MAK-Wert			
-	OCNS	Offshore Chemical Notification Scheme	- HMCS:	Harmonized Mandatory Control System			
-	cm ³ :	Cubic Centimeter	- g:	Gram	- mg:	Milligram	
			- °C:	Degree Celsius			