



SDS

Safety Data Sheet

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Section 1. PRODUCT IDENTIFICATION

Product Identifiers

Product Name: Activated Bauxite
CAS number: Mixture
Product Part Numbers: Activated Bauxite
Synonyms: Bauxite.
Recommended use: Absorbents, Laboratory chemicals.
Uses advised against: None known.

Details of the Supplier of the Safety Data Sheet:

Company: Sorbent Technologies
5955 Peachtree Corners East
Norcross, GA 30071 USA

Emergency Telephone Number: 1-866-767-2832

Section 2. HAZARD IDENTIFICATION

United States: According OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture: Based on available data, the classification criteria are not met.

GHS Label Elements, including Precautionary Statements: None required

Hazard Symbol: None

Signal Word: None

Hazard Statement: This product does not meet the criteria for classification.

Emergency Overview: Reddish granular particles. This product is not harmful to health.

Potential Health Effects: Medical conditions aggravated by exposure: Not expected to be a health hazard.

Physical hazards: Not classified

Health hazards: May cause irritation of the respiratory tract due to fine particles.
May cause eye and skin irritation due to fine particles.

Environmental hazards: Not classified

OSHA defined hazards: Not classified

Chronic Effects: No adverse effects expected.

Carcinogenic Effects: IARC: Not listed NTP: Not listed OSHA: Not regulated

Prevention: Observe good industrial hygiene practices. Use personal protective equipment as required.

Response: Wash hands after handling. Get medical advise/attention if you feel unwell.

Storage: Store away from incompatible materials.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards Not Otherwise Classified (HNOC): None Known

Supplemental information: None

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization:

Ingredient	CAS No./EINECS No.	%	REACH Registration No.	INDEX No.
Bauxite	92797-42-7 296-578-9	100	—	—

Composition comments: All concentrations are in percent by weight unless ingredient is a gas.
Gas concentrations are in percent by volume.

Formula: $\text{Al}_2\text{O}_3 \cdot x\text{H}_2\text{O}$

Synonym: Bauxite calcined

Section 4. FIRST AID MEASURES

Description of First Aid Measures

Skin: Wash material off skin with soap and water. Seek medical attention if irritation develops and persists.
Eyes: Do not rub eyes. Flush with copious amounts of water for 15 minutes while holding eyelids apart. Remove contact lenses, if present and easy to do. Seek medical attention if irritation develops and persists.
Ingestion: Rinse the mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content does not get into lungs. Seek medical attention if gastrointestinal symptoms develop.
Inhalation: Remove to fresh air. Seek medical attention if cough or respiratory symptoms develop.

Most Important Symptoms and Effects, both acute and delayed

Dusts may irritate the respiratory tract, skin and eyes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Product is not toxic. Treat symptomatically.

General Information: If you feel unwell, seek medical advice (show the label where possible).

Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves.

Section 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Product is not flammable.

Unsuitable Extinguishing Media: None known.

Flash Point: Not applicable

Non-flammable: OSHA Method 16CFR1500.44 (Incorporated by reference in 29CFR1920.1200).

Flammability Limits in Air: LFL and UFL Not Applicable.

Auto-ignition temperature: Not available

Advice for Firefighters

General Hazard: The product is not flammable. Do not breathe fumes.

Fire Fighting Instructions: Isolate large fires and allow to burn out. Extinguish fire using water fog, fine water spray, carbon dioxide or foam. Avoid stirring up dust clouds.

Fire Fighting Equipment: Fire fighting personnel should wear full protective equipment, including self-contained breathing apparatus (SCBA) for all inside fires and large outdoor fires.

Hazardous Combustion Products: Thermal decomposition not expected to occur.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid dust formation. Avoid breathing vapors, mist or gas. Granular powders may be slippery. Do not step on the spilled material.

Evacuate non-essential personnel. Wear suitable protective clothing and gloves.

Environmental Precautions

Prevent spilled material from entering sewers or waterways.

Methods and Material for Containment and Clean-up

If a Spill or Leak Occurs: Clean up spills in a manner that does not disperse dust into the air. Handle in accordance with industrial hygiene and safety practices. These practices include avoiding unnecessary exposure, and removal from eyes, skin, and clothing. Prevent product from entering drains.

Disposal Method: Sweep up or vacuum up and shovel into suitable containers for disposal. Dispose in a facility for non-hazardous wastes. Spent should be disposed of in accordance with State and Federal laws.

Container Disposal: Do not reuse empty bags or drums. Dispose of used bags in facility permitted for non-hazardous wastes.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Avoid prolonged contact with eyes and skin. Do not breath dust. Keep away from ignition sources. Use in well ventilated areas. Protect containers from physical damage. Wash hands after handling. Avoid release to the environment.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Store in cool, dry, ventilated area and in closed containers.
TRGS 510): Non-combustible Solids

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines: This material does not have established exposure limits.

Component	OSHA PEL	ACGIH TLV
Bauxite (92797-42-7)	5 mg/m3 15 mg/m3 total dust	5mg/m3 (TWA)

ACGIH is the American Conference of Governmental Industrial Hygienists

OSHA is the Occupational Safety and Health Administration

NIOSH is the National Institute of Occupational Safety and Health

PEL is the Permissible Exposure Limits established by OSHA.

TLV is the Threshold Limit Value a term ACGIH uses to express the maximum airborne concentration of a material to which most workers can be exposed during a normal daily and weekly work schedule without adverse effects.

MSHA is the Mine Safety and Health Administration

Exposure Controls

Engineering Controls: Use local exhaust to control emissions near the source. Ventilation systems should be configured to prevent exceeding the recommended or regulated exposure limits (i.e. OSHA PELs).

Eye Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses with side shields are recommended for any type of handling. Where eye contact or dusty conditions may likely, dust tight goggles are recommended. Have eye washing equipment available.

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Avoid skin contact with this product. Wear appropriate dust resistant clothing. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Full contact material: Nitrile rubber of minimum layer thickness 0.11 mm and break through time 480 minutes.

Body protection: Choose protection in relation to its type, to the concentration and the amount of any dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and of the amount of any dangerous substances at the specific workplace.

Respiratory Protection: Follow the OSHA respiratory regulations found in 29 CFR 1910.134 or European Standard EN149. Keep dust exposure to a minimum with engineering and administrative controls. Use appropriate NIOSH/MSHA approved particulate respirators if necessary. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Use type N95 (US) or type P1 (EN 143) dust masks for nuisance levels of dust.

Thermal Hazards: None known.

Biological Limit Values: No biological exposure limits noted for the ingredient.

General Industrial Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas. Avoid wearing contact lenses when handling product.

Environmental Exposure Controls

No special environmental precautions required. Avoid release to the environment.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State:	Solid
Appearance:	reddish angular gains
Odor:	None.
Odor Threshold:	No data available
pH:	Neutral
Melting Point/Range:	Not available
Boiling Point/Range:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability (solid, gas);	The product is not flammable
Flammability or Explosive Limits	
Upper (%):	Not available
Lower (%):	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	2.84 (water =1)
Solubility (water):	Insoluble
Solubility (solvents):	Insoluble
Partition Coefficient; n-octanol/water:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not explosive
Loose Density:	0.96 g/cm3

Section 10. STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability

This product is stable under normal conditions of storage, shipment and use.

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

Conditions to Avoid

Not applicable

Incompatible Materials

Not expected to occur.

Hazardous Decomposition Products

Not applicable.

Section 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component	LD50	LD50	LC50
	Oral	Dermal	Inhalation
Bauxite (92727-42-7)	N/A	N/A	N/A

Toxicologically Synergistic Products: No information available.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long Term Exposure

Irritation: Dusts may irritate eyes, skin and respiratory tract.

Respiratory Sensitization: Due to partial or complete lack of data the classification is not possible.

Skin Sensitization: Due to partial or complete lack of data the classification is not possible.

Serious Eye Damage/Eye Irritation: May cause irritation on direct contact.

Carcinogenicity: Due to partial or complete lack of data the classification is not possible.

Component	CAS-No.	IARC	NTP	ACGIH	OSHA	Mexico
Bauxite	92797-42-7	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects: Due to partial or complete lack of data the classification is not possible.

Reproductive Effects: Due to partial or complete lack of data the classification is not possible.

Developmental Effects: Due to partial or complete lack of data the classification is not possible.

Teratogenicity: Due to partial or complete lack of data the classification is not possible.

Specific Target Organ Toxicity (STOT)-single exposure: Not classified.

Specific Target Organ Toxicity (STOT)-repeated exposure: Not classified.

Aspiration: Not an aspiration hazard, due to the form of the product

Symptoms / Effects, Both Acute and Delayed: May cause discomfort if swallowed.

Endocrine Disruptor Information: No information available.

Further Information: The toxicological properties have not been fully investigated.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

Persistence/ Degradability

The product is not expected to be biodegradable.

Bioaccumulation Potential

No data available.

Mobility in Soil: The product is insoluble in water.

Mobility in General: No data available

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal: This product is not considered a hazardous waste. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Vacuum or shovel material into a closed container for reuse or disposal. Disposal should be in accordance with applicable local, state, national, international laws and regulations.

Hazardous Waste Code: Not regulated.

Waste from Residues: Dispose of in accordance with local regulations. This material is inert.

Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Local regulations may be more stringent than state or federal requirements.

Section 14. TRANSPORTATION INFORMATION

Land: **DOT (US):** Not regulated
ADR/RID (EU): Not regulated
TDG (Canada): Not regulated
Water: **IMO/IMDG:** Not regulated
Air: **IACO/IATA:** Not regulated

Transportation in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Special Precautions for User

No information available

Section 15. REGULATORY INFORMATION

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

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
92797-42-7	X	X	-	-	-	X	X	X	X	X	X

X indicates listed

U.S. Federal Regulations

TSCA: CAS# 92797-42-7 listed on the TSCA inventory. Not regulated.

CERCLA Hazardous Substances and Corresponding RQs: None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

SARA Codes: CAS# 92797-42-7 :

SARA 311/312 Hazardous Categorization:

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure:	No
Reactive Hazard:	No

SARA Section 313: Not regulated

Clean Air Act:

This material does not contain any hazardous air pollutants, Class 1 Ozone depletors or Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.

OSHA: Not applicable

CERCLA: Not applicable

U.S. Department of Transportation (DOT)

Reportable Quantity (RQ): No

DOT Marine Pollutant: No

DOT severe Marine Pollutant: No

U.S. Department of Homeland Security (DHS)

This product does not contain any DHS chemicals.

States Right-to-Know

CAS# 92797-42-7

California Prop 65: Not listed. This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts: No data

New Jersey Right to Know: No data.

Pennsylvania: No data.

Florida: No data.

Rhode Island: No data.

Illinois: No data.

Connecticut - Hazardous Air pollutants: No data.

Canadian Classification

WHMIS: Non-controlled.

DSL: Listed.

EEC Council Directives relating to the classification, packaging, and labeling of dangerous substances and preparations.

Risk and Safety Phrases: S2: Keep out of reach of children,,

Mexico—Grade

No information available.

Section 16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to these products or handling of these products. Customers/users must comply with all applicable health and safety laws, regulations, and orders

SDS REVISION SUMMARY:

This document has been updated to comply with the U.S. OSHA HazCom 2012 Standard replacing the current Legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)