



BUILDING VISION AND VARIETY

Date: 3/1/2019

Product Code

## SAFETY DATA SHEET

### 1. Identification

Product Name: Activated Alumina

Product Code:

SDS Date: 3/1/2019

Address: BVV  
1251 Frontenac Rd. Ste 150  
Naperville IL 60563

Phone: (331) 281-0154

CHEMTEL: (800) 255-3924

### 2. Hazard(s) Identification

Classification of the Mixture:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and WHMIS 2015.

Component(s) Contributing to Classifications(s):

None Applicable

GHS Hazard Classification

Not Classified

Pictogram

None Applicable

Signal Word

None Applicable

Hazard Statement

None Applicable

Prevention Statement

None Applicable

Response Statement

None Applicable

Storage Statement

None Applicable

Disposal Statement

None Applicable

Hazards Not Otherwise Classified:

None applicable.

### 3. Composition/Information On Ingredients

Name	CAS	WT%	GHS Classification
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## 4. First-aid Measures

<b>Description of First Aid Measures:</b>	Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.
<b>If Inhaled:</b>	If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
<b>In Case of Skin Contact:</b>	Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.
<b>In Case of Eye Contact:</b>	If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.
<b>If Swallowed:</b>	If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.
<b>Most Important Symptoms and Effects, Both Acute and Delayed:</b>	Dust may cause mechanical eye irritation.
<b>Medical Conditions Aggravated by Exposure:</b>	This material or its emissions may aggravate pre-existing disorders involving any target organs mentioned in this Safety Data Sheet as being at risk.
<b>Indications of Any Immediate Medical Attention and Special Treatment Needed:</b>	Treat symptoms and reduce over-exposure.

## 5. Fire-fighting Measures

<b>Extinguishing Media:</b>	Water, Dry powder / dry sand, alcohol-resistant foam, dry chemical or CO <sub>2</sub> .
<b>Special Hazards Arising from the Chemical:</b>	None known. Explosion Sensitivity to Mechanical Impact: Not Sensitive. Explosion Sensitivity to Static Discharge: Not Sensitive. Minimum Ignition Energy (M.I.E.) No Data at this time
<b>Special Firefighting Procedure:</b>	Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

## 6. Accidental Release Measures

<b>Methods and Material for Containment and Cleaning Up:</b>	Pick up released product with appropriate implements & return to original container if reusable, or dispose. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).
<b>Environmental Precautions:</b>	Do not let product enter drains, do not allow to sewers/surface or ground water. See Section 12,

	Ecological information.
<b>Small Spill:</b>	Sweep or vacuum material. Transfer to secondary container to be properly disposed.
<b>Large Spill:</b>	Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Dike area of spill to prevent spreading. Pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Notify proper authorities that a spill has occurred.

## 7. Handling and Storage

<b>General Procedures:</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding stuffs.
<b>Safe Handling:</b>	Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8. Handle and open container with care.
<b>Safe Storage:</b>	Keep only in the original container. Keep containers tightly closed in a cool, well-ventilated place.

## 8. Exposure Controls/Personal Protection

Name	CAS
Aluminum Oxide	1344-28-1
OSHA	ACGIH
Not Listed	Not Listed

<b>Ventilation and Engineering Control:</b>	Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.
<b>Eye/Face Protection:</b>	Safety glasses are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.
<b>Skin Protection:</b>	Use protective gloves as appropriate to minimize skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.
<b>Body Protection:</b>	Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.
<b>Respiratory Protection:</b>	Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.
<b>Exposure Controls:</b>	Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

## 9. Physical and Chemical Properties

<b>Physical State:</b>	Aluminum Oxide	Solid
<b>Odor:</b>	Aluminum Oxide	Not Available

<b>Odor Threshold (PPM):</b>	Aluminum Oxide	Not Available
<b>Appearance/Color:</b>	Aluminum Oxide	White Solid
<b>pH:</b>	Aluminum Oxide	Not Applicable
<b>Melting/Freezing Point (°F)</b>	Aluminum Oxide	Not Applicable
<b>Boiling Point (°F)</b>	Aluminum Oxide	Not Applicable
<b>Flash Point (°F)</b>	Aluminum Oxide	Not Applicable
<b>Evaporation Rate (nBuAc=1)</b>	Aluminum Oxide	Not Applicable
<b>Flammability (solid/gas)</b>	Aluminum Oxide	Not Applicable
<b>Flammable Limits (in air by volume, %)</b>	Aluminum Oxide	Not Applicable
<b>Vapor Pressure (mmHg)</b>	Aluminum Oxide	Not Applicable
<b>Vapor Density (Air=1)</b>	Aluminum Oxide	Not Applicable
<b>Relative Density</b>	Aluminum Oxide	Not Applicable
<b>Solubility in Water (%)</b>	Aluminum Oxide	Insoluble
<b>Partition Coefficient: octanol water</b>	n- Aluminum Oxide	Not Applicable
<b>Autoignition Temperature</b>	Aluminum Oxide	Not Applicable
<b>Decomposition Temperature</b>	Aluminum Oxide	Not Applicable
<b>Viscosity</b>	Aluminum Oxide	Not Applicable
<b>Explosive Properties</b>	Aluminum Oxide	Not Applicable
<b>Oxidising Properties</b>	Aluminum Oxide	Not Applicable
<b>Specific Gravity 4°c (Water=1)</b>	Aluminum Oxide	Not Available
<b>Density</b>	Aluminum Oxide	Not Available
<b>VOC</b>	Aluminum Oxide	Not Applicable
<b>Weight per Gallon</b>	Aluminum Oxide	Not Applicable

## 10. Stability and Reactivity

<b>Reactivity:</b>	No Data is Available.
<b>Chemical Stability:</b>	Product is stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	No Data is Available.
<b>Conditions to Avoid:</b>	No Data is Available.
<b>Incompatible Materials:</b>	Strong acids, strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	No Data is Available.

## 11. Toxicological Information

<b>Toxicity Data:</b>	No specific data available for this product.
<b>Irritancy of Product:</b>	Exposure with this product can be irritating to exposed eyes.

<b>Sensitization of Product:</b>	This product is not considered a skin sensitizer.
<b>Germ Cell Mutagenicity:</b>	This product does not contain components which are documented as Germ Cell Mutagenicity hazards.
<b>Carcinogenicity:</b>	Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, or suspected to be, cancer-causing agents by these agencies.
<b>Reproductive:</b>	This product does not contain components which are documented as reproductive hazards.
<b>Aspiration Hazard:</b>	This product is not anticipated to be an aspiration hazard.
<b>Specific Target Organ Toxicity-Single Exposure:</b>	No specific data available for this product.
<b>Specific Target Organ Toxicity-Repeated Exposure:</b>	No specific data available for this product.

## 12. Ecological Information

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

<b>Toxicity</b>	No specific data available on this product.
<b>Persistence and Degradability</b>	No specific data available on this product.
<b>Bioaccumulative Potential</b>	No specific data available on this product.
<b>Mobility in Soil</b>	No specific data available on this product.
<b>Results of PBT and vPvB assessment</b>	No specific data available on this product.
<b>Other Adverse Effects</b>	No specific data available on this product.

## 13. Disposal Considerations

PRODUCT DISPOSAL: Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

COMMENTS: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional/local authority requirements.

## 14. Transportation Information

<b>Proper Shipping Name:</b>	Not Regulated
<b>Hazard Class</b>	N/A
<b>Identification Number:</b>	N/A
<b>Packing Group:</b>	N/A
<b>Label</b>	N/A
<b>Ship:</b>	N/A

## 15. Regulatory Information

<b>TSCA</b>	All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.
<b>SARA 311/312</b>	Acute Health: No Chronic Health: No Fire: No Reactivity: No
<b>U.S. CERCLA REPORTABLE QUANTITY (RQ):</b>	None
<b>CLEAN WATER ACT</b>	None of the chemicals in this product are listed as Hazardous Substances under the CWA.
<b>STATE REGULATIONS</b>	None
<b>California PROP 65</b>	This product does not contain chemicals on the Prop 65 list.
<b>CANADIAN DSL/NDL INVENTORY STATUS</b>	All of the components of this product are on the DSL Inventory
<b>CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)</b>	No component of this product is on the CEPA First Priorities Substance Lists.
<b>CANADIAN WHMIS CLASSIFICATION and SYMBOLS</b>	This product is categorized as per WHMIS 2015 Hazardous Product Regulations.

## 16. Other Information, Including Date of Preparation or Last Revision

SDS Date:

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