




GHS SAFETY DATA SHEET

AMERICAN CRYSTAL SUGAR COMPANY

Prepared to U.S. OSHA Standards in compliance with the GHS system 29 CFR 1910.1200(g), rev. 2012

<p>Section 1</p>	<p>Identification</p>	<p style="text-align: center;"><u>Versalime</u></p> <p>Manufacturer's Name American Crystal Sugar Co. 101 North 3rd Street Moorhead, MN 56560</p> <p>Emergency Telephone Number: (218) 236-4400</p> <p>Telephone Number for Information: (218) 236-4324</p>	<p>Description: Spent Lime, Agricultural Liming Material (ALM), Industrial By-Product, Ag-Lime, Beet BP Ag-Lime</p> <p>Restrictions: No Restrictions</p> <p>Preparation Date: 10/20/15</p>
<p>Section 2</p>	<p>Hazard(s) Identification</p>	<p>Hazardous Components: Sulfates, Manganese, Calcium Carbonate, Silica, Oxides of Iron and Aluminum</p> <div style="text-align: center;">  <p>Warning</p> </div>	<p>Color: light to dark gray Physical Form: solid Major Health Hazards: respiratory tract irritation, skin irritation, eye irritation</p>
<p>Section 3</p>	<p>Composition / Information on Ingredients</p>	<p>Calcium Carbonate (limestone, lime rock, calcite, aragonite) reconstituted from slaked lime used in sugar beet processing, Silicon Dioxide, Oxides from iron and aluminum, Sulfates, Phosphates, and Chlorides of biodegradable organics from processed sugar beets.</p>	<p>Not Applicable</p>
<p>Section 4</p>	<p>First Aid Measures</p>	<p>INHALED: May contain trace amounts of free crystalline silica. Prolonged exposure may cause serious health issues. Remove to fresh air. Seek medical help if coughing and other symptoms do not subside.</p> <p>Ingestion: Although small quantities of dust are not known to be harmful, ill effects are possible if larger quantities are consumed. Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.</p>	<p>Eyes: Exposure to airborne dust may cause immediate or delayed irritation or inflammation. Exposures may require immediate first aid and medical attention to prevent damage to the eye. Flush eye with running water, holding eyelids open.</p> <p>Skin: may cause irritation. Wash skin with cool water and pH-neutral soap or a mild detergent.</p>

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Section 5	Fire-Fighting Measures	<p>NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0</p> <p>Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe</p> <p>Flammable Properties: Negligible fire hazard</p> <p>Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.</p> <p>Sensitivity to Mechanical Impact: No</p> <p>Sensitivity to Static Discharge: No</p>	<p>Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.</p>
Section 6	Accidental Release Measures	<p>Water Release: Keep out of water supplies and sewers.</p> <p>Occupational spill/release: Large spills: Collect spilled material in appropriate container for disposal. Avoid generating dust. Clean up residue with a high-efficiency particulate filter vacuum</p>	<p>Proper personal protective equipment must be worn when handling product to avoid health hazards.</p> <p>Avoid the use of contact lens while handling product.</p>

Section 7	Handling and Storage	Handling Procedures: When using, do not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Use methods to minimize dust.	Storage Procedures: Store and handle in accordance with all current regulations and standards. Store in a well-ventilated area. Keep separated from incompatible substances.
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Section 8	Exposure Controls/ Personal Protection	Ventilation: General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures. If ventilation cannot reduce airborne concentrations below acceptable limits, appropriate respiratory protection should be used.	PPE: gloves, splash resistant safety goggles, and a dust mask with an appropriate cartridge or canister where airborne concentrations are expected to exceed exposure limits.
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Section 9	Physical and Chemical Properties	Melting Point	825.0 - 900.0 °C	Flash Point	Not Flammable
		Boiling Point	decomposes	Flammable Limits	Not Applicable
		Specific Gravity (H₂O=1)	1.92 - 3.0	LEL	Not Available
		Vapor Pressure (mm Hg.)	Not Applicable	UEL	Not Available
		Vapor Density (AIR=1)	Not Available	Appearance and Odor: Solid, white	
		Evaporation Rate (Butyl Acetate=1)	Not Available		
		Solubility in Water: Insoluble			

Section 10	Stability and Reactivity	Stable under ordinary conditions of use and storage. Hazardous polymerization will NOT occur.	Avoid generating dust. Avoid product coming in direct contact with acids.
Section 11	Toxicological Information	Limestone, Magnesium Carbonate, and Manganese are slightly toxic if ingested. By-products Phosphorus Pentoxide and Sulfur are toxic if inhaled.	Product contains one component currently classified as carcinogenic. Quartz (14808-60-7) is considered category A2.
Section 12	Ecological Information (non-mandatory)	Product contains 2 components with notable Aquatic Toxicity. Manganese (7439-96-5), Sulfur (7704-34-9)	Could potentially be harmful to living species in large quantities.
Section 13	Disposal Considerations (non-mandatory)	This product, as supplied, when discarded or disposed of, is not a hazardous waste. Dispose in accordance with all applicable regulations.	

Section 14	Transport Information (non-mandatory)	Not Available	
Section 15	Regulatory Information (non-mandatory)	U.S. Federal Regulations: Not Applicable	
Section 16	Other Information	Not Applicable	