

MATERIAL SAFETY DATA SHEET

PRODUCT/MATERIAL CASTALOT
MANUFACTURER/DISTRIBUTOR Sunset Grove
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SECTION I-PRODUCT INFORMATION

TRADE NAME: CASTALOT
SYNONYM: GLASS MOLD MIX
CHEMICAL FAMILY: Calcium sulfate hemihydrate (Plaster of Paris, $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$)

SECTION II-HAZARDOUS INGREDIENTS

INGREDIENT NAME	Maximum:		OSHA PEL TWA: (mg/m3)	NIOSH REL TWA: (mg/m3)	ACGIH TLV TWA: (mg/m3)
	Percent	CAS NUMBER			
Plaster of Paris	44	26499-65-0	15(T)/5(R)		
Crystalline Silica	15	14808-60-7	0.1(R)		
Free Cristobalite	25	14464-46-1	5(% SiO_2 -2)		0.05 mg/m3
Titanium Dioxide	2	13463-67-7	15 mg/m3		10 mg/m3
Wollastonite	28	13543-17-0	(FNUIS)		
Bentonite	5	1302-78-9	10 mg/eum / $\text{SiO}_2 + 2$		
Alumina Oxide	8	1344-28-1	15*,3**		10 mg/m3
Refractories, Fibers	5	142844-00-6	None Established		

SECTION III-PHYSICAL DATA

BOILING POINT Not Applicable
VAPOR PRESSURE Not Applicable
VAPOR DENSITY Not Applicable
SOLUBILITY IN WATER Insoluble
SPECIFIC GRAVITY 1.7 - 3.7
PERCENT SOLUBLE BY WEIGHT 0
EVAPORATION RATE: 0
APPEARANCE AND COLOR White; no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT Not Flammable
EXTINGUISHING MEDIA Water
UNUSUAL FIRE OR EXPLOSION HAZARDS None
SPECIAL FIRE FIGHTING PROCEDURES None

SECTION V - REACTIVITY DATA

STABILITY FACTOR Product is stable
INCOMPATIBILITY None
HAZARDOUS DECOMPOSITION PRODUCTS None Hazardous polymerization will not occur
CONDITIONS TO AVOID Inhalation of dust

SECTION VI - HEALTH HAZARD DATA

Silica, Crystalline (Quartz) A single exposure will not result in serious adverse health effects. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Refractories, Fibers Pre-existing medical conditions, including dermatitis, asthma or chronic lung disease may be aggravated by exposure; individuals who have a history of allergies may experience greater amounts of skin and respiratory irritation. Eyes: May cause temporary, mild mechanical irritation. Fibers may be abrasive; prolonged contact may cause damage to the outer surface of the eye. Skin: May cause temporary, mild mechanical irritation. Exposure may also result in inflammation, rash or itching.

Inhalation: If inhaled in sufficient quantity, may cause temporary, mild mechanical irritation to respiratory tract. Symptoms may include scratchiness of the nose or throat, cough, or chest discomfort.

PRIMARY ROUTES OF ENTRY:	Inhalation. (Dry form only), ingestion and dermal.
SUMMARY RISKS:	Individuals with a lung disease/condition (e.g. bronchitis, emphysema, chronic pulmonary disease) can be aggravated by exposure.
EMERGENCY FIRST AID:	No specific first aid is necessary since the adverse health effects associated with this compound results from chronic exposure.
Eye Contact	May be an irritant. Flush eyes with generous amounts of water for at least 15 minutes; call a physician if irritation persists.
Skin Contact	May cause local dermatitis, which is relieved when removed.
Ingestion	Toxicity due to ingestion is low.
Inhalation	Remove to fresh air, call a physician if irritation due to inhalation persists.
Physician's Note	None

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills or Release Procedure	Follow normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum or use wet clean-up techniques.
Waste Disposal:	Dispose material in accordance with Federal, State, and Local regulations.

SECTION VIII - CONTROL MEASURES

Provide adequate ventilation to keep dust or vapor concentrations below acceptable exposure limits. Use gloves as needed for handling material containers. Wear safety glasses when needed. Appropriate respiratory protection may be required to protect from certain dusts. Respirators must be selected and used in accordance with OSHA Subpart I of (29 CFR 1910.134).

SECTION IX - TOXICOLOGICAL INFORMATION

This product (and all of its components) is in compliance with the U.S. EPA 15 U.S.C. 2604 regulation. This product is certified as NON-TOXIC, and conforms to ASTM D-4236 and C-1023 under the federal Labeling of Hazardous Art Materials Act (LHAMAA).

SECTION X - REGULATORY

This product may contain materials that are reportable under Section 312 of the Emergency Planning and Community Right-To-Know Act (Superfund Amendments and Reauthorization Act - SARA), and 40 CFR Part 372.

SARA Title III Data: These levels are "typical quantities" and may change slightly with different lots.

Cobalt or Cobalt Compounds	< 1.5%
Nickel or Nickel Compounds	< 0.80%

This product contains substances regulated under California's safe drinking water and toxic enforcement act (Proposition 65)

SECTION XI - DISCLAIMER

The information provided in this MSDS document has been provided to Clay Art Center by its material suppliers and is represented by these suppliers as accurate and reliable.

Clay Art Center is not liable for injury, loss, or damage, direct or consequential, arising out of the use or inability to properly use this product. This product is intended for use in traditional glass applications.

This MSDS conforms to the ASTM D-4236 and C-1023 requirements defined by LHAMAA - the Federal Labeling of Hazardous Art Materials Act. LHAMAA was developed by the American Society of Testing and Materials (ASTM) to ensure the proper labeling of art materials.