

SAFETY DATA SHEET

Page 1 of 4

				Page 1 of 4			
SECTION 1: PRODUCT	AND CO	MPANY IDENTIFICA	TION				
PRODUCT IDENTIFIER	CelaPerl®, Celatom® Perlite expanded (all grades)						
CHEMICAL NAME	Sodium Potassium Aluminum Silicate						
CHEMICAL FAMILY	Silicate						
MATERIAL USE	Functional additive, filter aid						
RESTRICTION ON USE	None Know	/n					
MANUFACTURER	EP Minerals, LLC., 9785 Gateway Dr., Reno, NV 89521						
TELEPHONE NO.	(775) 824 7	600 (Monday – Friday 8:00 am F	PST – 5:00 pm PST)				
EMERGENCY TELEPHONE NO.	(775) 824 7	600 (Monday – Friday 8:00 am F	PST – 5:00 pm PST)				
SDS DATE OF PREPARATION	May 21, 20	May 21, 2018					
SECTION 2: HAZARDS	IDENTIF	ICATION					
OSHA GHS HAZARD CLASSIFICATION	Not classified as hazardous						
HAZARDS NOT OTHERWISE CLASSIFIED	None						
LABEL ELEMENTS	No GHS labeling required						
INGREDIENT IDENTIFICATION		APPROXIMATE CONCENTRATION (%)	C.A.S. NUMBERS	EINECS			
Perlite, expanded		100%	93763-70-3	Not Assigned			
SECTION 4: FIRST AID	1	RES with generous quantities of wate	r or eye rinse solution. Consi	ult physician if irritation persists.			
SKIN	Use moisture renewing lotions if dryness occurs.						
INGESTION		rous amounts of water to reduce					
INHALATION	Remove to fresh air. Blow nose to evacuate dust.						
Most important symptoms/effects, acute and delayed	Dust may cause abrasive irritation to eyes. Prolonged skin contact may cause dryness. Dust may cause nose, throat and upper respiratory tract irritation. Prolonged inhalation of high concentration of dust may cause lung effects.						
Indication of immediate medical attention and special treatment, if necessary	Immediate medical attention is not normally required. If dust irritates the eyes, seek medical attention.						
SECTION 5: FIRE FIGHT	TING ME	ASURES					
EXTINGUISHING MEDIA	Not applicable, the material is not combustible.						
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Not applicable, the material is not combustible.						
SPECIAL PROTECTIVE	Not applicable, the material is not combustible.						

MATERIAL NAME	CelaPerl®, Celatom® Perlite expanded (all grades)				Page 2 of 4		
SECTION 6: ACCIDENT	AL RELEASE MEASUR	RES					
PERSONAL PRECAUTIONS	If dust is present, use respirator fit	ted with particulate f	ilter as specified in	Section 8. Protec	t eyes with goggles.		
ENVIRONMENTAL PRECAUTIONS	This material is not a significant environmental concern.						
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	Vacuum clean spillage, wet sweep or wash away. Avoid creating dust. Place in a container for use or disposal.						
SECTION 7: HANDLING	AND STORAGE						
PRECAUTIONS FOR SAFE HANDLING	Minimize dust generation. Avoid contact with eyes. Avoid breathing dust. Repair or dispose of broken bags. Observe all label precautions and warnings.						
CONDITIONS FOR SAFE STORAGE	Store in a dry place to maintain packaging integrity and product quality. Do not store near hydrofluoric acid or strongly basic solutions.						
SECTION 8: EXPOSURE	E CONTROLS / PERSO	NAL PROTEC	CTION				
EXPOSURE GUIDELINES:							
Component	OSHA PEL	ACGIH TLV	MSHA PE	L L	NIOSH REL		
Perlite, expanded	5 mg/m³ (respirable dust) 15 mg/m³ (total dust)	None Established	30 mppcf	5 mg/m 10 mg/r	³ (respirable dust) m ³ (total dust)		
ENGINEERING CONTROLS	Use general or local exhaust ventilation to control dust within recommended exposure limits. Refer to ACGIH publication "Industrial Ventilation" or similar publications for design of ventilation systems.						
PERSONAL PROTECTIVE EQUIPMENT:		·	J	,			
EYE / FACE PROTECTION	Goggles to protect from dust						
SKIN PROTECTION	No special equipment is needed.						
RESPIRATORY PROTECTION	Respirators fitted with filters certified to standard 42CFR84 under series N95 should be worn when dust is present. If the dust concentration is less than ten (10) times the Permissible Exposure Limit (PEL) use a quarter or half-mask respirator with a N95 dust filter or a single use dust mask rated N95. If dust concentration is greater than ten (10) times and less than fifty (50) times the PEL, a full-face piece respirator fitted with replaceable N95 filters is recommended. If dust concentration is greater than fifty (50) and less than two hundred (200) times the PEL use a power air-purifying (positive pressure) respirator with a replaceable N95 filter. If dust concentration is greater than two hundred (200) times the PEL use a type C, supplied air respirator (continuous flow, positive pressure), with full face piece, hood or helmet.						
GENERAL HYGIENE	Avoid breathing dust. Avoid contact with eyes. Wash hands after handling and before eating or drinking.						
SECTION 9: PHYSICAL	AND CHEMICAL PROP	PERTIES					
APPEARANCE, COLOR	White to off white powder	ODOR		0	dorless		
PHYSICAL STATE	Solid	ODOR THRESHO	ODOR THRESHOLD		Not applicable		
VAPOR PRESSURE	Not applicable	VAPOR DENSITY		Not	applicable		
BOILING POINT	Not applicable	MELTING POINT	MELTING POINT		800° C		
FLASH POINT	Not applicable	pH (10% SUSPE	pH (10% SUSPENSION)		7		
FLAMMABILITY LIMITS	Not applicable	EVAPORATION I	EVAPORATION RATE		applicable		
DECOMPOSITION TEMPERATURE	> 800° C	SPEC. GRAVITY / RELATIVE DENSITY			2.3		
AUTOIGNITION TEMPERATURE	Not applicable	PARTITION COEFFICIENT – n- OCTANOL/WATER		Not	applicable		
FLAMMABILITY (solid/gas)	Not applicable	SOLUBILITY - W	ATER		< 1%		
		VISCOSITY		Not	applicable		

MATERIAL NAME	CelaPerl®, Celatom® Perlite expanded (all grades)	Page 3 of 4				
SECTION 10: STABI	LITY AND REACTIVITY					
REACTIVITY	Material is not reactive.	Material is not reactive.				
CHEMICAL STABILITY	Material is stable.					
POSSIBILITY OF HAZARDOUS REACTIONS	Material is not reactive.					
CONDITIONS TO AVOID	Not applicable					
INCOMPATIBLE MATERIALS	Products containing silica may react violently with hydrofluoric acid and strongly basic solutions					
HAZARDOUS DECOMPOSITIO PRODUCTS	Not applicable					
SECTION 11: TOXIC	OLOGICAL INFORMATION					
POTENTIAL HEALTH EFFECTS	See below and Section 11 for additional information					
Likely Routes of Exposure	See below					
EYE	May cause irritation (tear formation and redness) if dust gets in eyes.					
SKIN	Not absorbed by the skin, but may cause dryness if prolonged exposure.					
INGESTION	Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of and stomach.	Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of the mouth, throa and stomach.				
INHALATION	Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided.					
CHRONIC EFFECTS	Chronic inhalation of dust in excess of the Permissible Exposure Limit (PEL) established by OS prolonged number of years may cause lung changes.	HA over a				
CARCINOGENICITY	Analyses of these products by X-ray diffraction have not identified any phases of crystalline silica to be present above the detection limit (0.05%).					
NTP	Perlite is not classified as a carcinogen.					
IARC	Perlite is not classified as a carcinogen.					
NUMERICAL MEASURES OF TOXICITY	LD50 oral mouse 12,960 mg/kg					
CORROSIVENESS, SENSITIZATION, IRRITANCY	Not applicable					
REPRODUCTIVE TOXICITY	DUCTIVE TOXICITY Not available					
TERATOGENICITY, MUTAGENICITY	Not available					
SECTION 12: ECOLO	OGICAL INFORMATION					
ECOTOXICITY:	These products have no demonstrated toxicity in regards to aquatic or terrestrial life.					
PERSISTENCE AND DEGRADABILITY	Non-biodegradable, inert.					
BIOACCUMULATIVE POTENTI	AL Little potential for bioaccumulation					
MOBILITY IN SOIL	No mobility					
OTHER ADVERSE EFFECTS	None known					
SECTION 13: DISPO	SAL CONSIDERATIONS					
WASTE DISPOSAL	If this material as supplied becomes a waste, use solid waste disposal common to landfill type operations. Not considered a hazardous waste under RCRA (40CFR Part 261).	ions or in slurry to				
PACKAGING DISPOSAL	Dispose of in accordance with applicable laws and regulations, typically solid waste disposal common operations.	to landfill type				

MATERIAL NAME	CelaPerl®, Celatom® Perlite expanded (all grades)	4 of 4						
SECTION 14: TRANSPORT INFORMATION								
BASIC SHIPPING INFORMATION	DOT shipping classification 55 (no restrictions). Technical name is "Perlite".							
ADDITIONAL INFORMATION	No special requirements or placarding necessary.							
SECTION 15: REGULATORY INFORMATION								
U.S. FEDERAL:								
TSCA	erlite is not on the EPA TSCA inventory list by name but as a natural material, it is automatically included.							
CERCLA	erlite is not classified as a hazardous substance under regulations of the Comprehensive Environmental esponse Compensation and Liability Act (CERCLA), 40 CFR 302.							
SARA TITLE III	Not listed.							
SECTION 16: OTHER INFORMATION								
	Y d L 2 - Moderate 1-Slight 0-Insignificant O Health							
ORIGINAL ISSUE DATE	May 26, 1993							
REVISION DATE	May 21, 2018							
REVISION NO.	9							

Disclaimer: As of the date of the preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. No warranty, representation or guaranty of any kind, express or implied, is hereby provided or intended with respect to the completeness of the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by the purchase, resale, use or exposure to our product. Customer users of silica must comply with all applicable health and safety laws, regulations and orders, including OSHA Hazardous Communication Standard.