

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 Known					
MANUFACTURER	EP Minerals, LLC., 9875 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 7600 (Monday – Friday 8:00 am PST – 5:00 pm PST)					
SDS DATE OF PREPARATION	February 26	3, 2014				
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 IDENTIFICATI	ION	APPROXIMATE CONCENTRATION (%)	C.A.S. NUMBERS	EINECS		
Perlite, expanded		100%	93763-70-3	Not Assigned		
SECTION 4: FIRST AID		RES with generous quantities of wate	r or eye rinse solution. Consi	ult physician if irritation persists.		
SKIN	Use moistu	re renewing lotions if dryness oc	curs.			
INGESTION	Drink generous amounts of water to reduce bulk and drying effects.					
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	TAL RELEASE MEASURES						
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:	publication industrial ventiliation of diffilial publications for design of ventilation systems.						
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		Odorless			
PHYSICAL STATE	Solid	ODOR THRESHOLD		Not applicable			
VAPOR PRESSURE	Not applicable	VAPOR DENSITY	′	Not applicable			
BOILING POINT	Not applicable	MELTING POINT		> 800° C			
FLASH POINT	Not applicable	pH (10% SUSPENSION)			7		
FLAMMABILITY LIMITS	Not applicable	EVAPORATION F	RATE	Not applica			
DECOMPOSITION TEMPERATURE	> 800° C	DENSITY	PEC. GRAVITY / RELATIVE ENSITY		2.3		
AUTOIGNITION TEMPERATURE	Not applicable	PARTITION COE OCTANOL/WATE	ARTITION COEFFICIENT – n- CTANOL/WATER Not applicab		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.				
CHEMICAL STABILITY	Material is stable.				
POSSIBILITY OF HAZARDOUS REACTIONS	Material is not reactive.				
CONDITIONS TO AVOID	Not applicable	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.	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 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 OSHA over a prolonged number of years may cause lung changes.				
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	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	I Non-hiodegradable inert				
BIOACCUMULATIVE POTENTI	CCUMULATIVE POTENTIAL Little potential for bioaccumulation				
MOBILITY IN SOIL	SOIL No mobility				
OTHER ADVERSE EFFECTS	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) Page 4 of				
SECTION 14: TRANS	SPORT INFORMATION				
BASIC SHIPPING INFORMATI	DOT shipping classification 55 (no restrictions). Technical name is "Perlite".				
ADDITIONAL INFORMATION	No special requirements or placarding necessary.				
SECTION 15: REGU	LATORY INFORMATION				
U.S. FEDERAL:					
TSCA	Perlite is not on the EPA TSCA inventory list by name but as a natural material, it is automatically included.				
CERCLA	Perlite is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR 302.				
SARA TITLE III	Not listed.				
INTERNATIONAL:					
WHMIS Classification	These products are not regulated by WHMIS				
WHMIS Ingredient Disclosure List	No reportable ingredients are present.				
SECTION 16: OTHE	RINFORMATION				
			0 Health		
	4-Extreme 3-High 1 0 2-Moderate 2 1-Slight	<u>s</u>	0 Flammability		
	Z-Woods ate 1-Slight 0-Insignificant	HMIS	0 Reactivity		
			E Protective Equipment		
ORIGINAL ISSUE DATE	May 26, 1993				
REVISION DATE	February 26, 2014				
REVISION NO.	8				

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.