#118

PACER MINERALS LLC
SAFETY DATA SHEET

ECTION I: IDENTIFICATION

Product Name:	Producer:	Telephone Numbers:
CUSTER FELDSPAR – 325 Mesh Other names: Custer Spar	PACER MINERALS LLC 25429 US HWY 385 Custer, SD 57730	800-568-2492 7 am - 5 pm MST M-F FAX: 605-673-4459 orders@pacerminerals.com

Recommended Uses: Ceramics, Pottery and Art Ware, Sanitary Ware, Coatings, Decorative Effects, Dental Ware

SECTION II: HAZARDOUS IDENTIFICATION

*Irritant (skin and eye) – Category 2
*Specific Target Organ Toxicity – Repeated Exposure
Respiratory - Category 2
*Skin and Respiratory Sensitizer – Category 1
*Carcinogenicity – Category 2

WARNING

Hazard Statement: May cause damage to lungs through prolonged or repeated inhalation. Suspected of causing cancer through prolonged or repeated inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause skin or eye irritation.

Precautionary Statement: Avoid breathing dust.

Free Silica (Crystalline Quartz), Formula: SiO2, OSHA PEL and MSHA Exposure Limit for Respirable Crystalline Silica, Quartz: (A component of this product.)

	10mg/m3	
(Respirable)	%Silica+2	**CAS No. 14808-60-7**

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	Common Name and Synonyms:	CAS#:
otassium Alumina Silicates	Feldspar	68476-25-5

Feldspar is a naturally occurring inorganic, igneous rock. This product does not contain any levels of toxic chemicals subject to the reporting requirements of Section 313 III SARA of 1986 and 40 CFR Par 372. Test data available.

SECTION IV: FIRST-AID MEASURES

EMERGENCY/FIRST AID PROCEDURES:
INHALATION/INGESTION: Consult physician and/or obtain competent medical assistance.
EYE CONTACT: Flush with water, consult physician and/or obtain competent medical assistance.
SKIN CONTACT: Wash thoroughly with water.

SIGNS AND SYMPTOMS OF EXPOSURE:
Short Term: Shortness of breath, coughing associated with inhalation of dust.
Long Term: Steady and prolonged exposure to dust concentrations higher than TLV without approved respirator could cause silicosis, a chronic disease of the lungs marked by acute fibrosis, may cause cancer based on animal data.

SECTION V: FIRE-FIGHTING MEASURES

FIRE EXTINGUISIHG MEDIA:	UNUSUAL FIRE & EXPLOSION HAZARDS:	SPECIAL FIRE FIGHTING PROCEDURES:
N/A	N/A	None

SECTION VI: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS REALEASED OR SPILLED:
Material is not dangerous if spilled. Wash away with water or vacuum with high efficiency (HEPPA) filter. If uncontaminated recover and reuse. If contaminated collect in suitable containers for disposal. Avoid creating dust. Avoid breathing dust. Wear a NIOSH/MSHA/OSHA approved respirator. Good housekeeping practices recommended.

SECTION VII: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:
NIOSH approved dust mask. Safety glasses and gloves are optional but recommended.

STORAGE REQUIREMENTS:
tore in dry area. Do not breathe dust. Avoid creating dust in closed areas. Use adequate ventilation as recommended by NIOSH/MSHA/OSHA for crystalline silica.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Free Silica (Crystalline Quartz), Formula: SiO2, OSHA PEL and MSHA Exposure Limit for Respirable Crystalline Silica, Quartz: (A component of this product.) (Respirable) 10mg/m3 %Silica+2	
EYE PROTECTION: Safety glasses optional but recommended.	PROTECTIVE GLOVES: Gloves are optional but recommended.
RESPIRATORY PROTECTION: NIOSH/MSHA/OSHA approved respirator selection procedures. NIOSH approved dust mask.	
VENTILATION: Local exhaust required for dust removal. Refer to OSHA 1910.24, ASTM, and/or ANSI Standards. Do not exceed OSHA PEL or ACGIH TLV.	

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White Powder	ODOR: Odorless	ODOR THRESHOLD: N/A	PH: 8.0	Melting Point: 1315.5° C / 2400° F Freezing Point: N/A	BOILING POINT: N/A
FLASH POINT: N/A	EVAPORATION RATE: N/A	FLAMMABILITY: N/A	UPPER/LOWER FLAMMABILITY: N/A	VAPOR PRESSURE: N/A	
VAPOR DENSITY: N/A	RELATIVE DENSITY: N/A	SOLUBILITY: N/A	PARTITION COEFFICIENT: N-OCTANOL/WATER: N/A		
AUTO-IGNITION TEMPURATURE: N/A	DECOMPOSITION TEMPERATURE: N/A	VISCOSITY: N/A			

SECTION X: STABILITY AND REACTIVITY

GENERAL REACTIVITY: N/A	CHEMICAL STABILITY: Feldspar is a stable material under ordinary conditions.	HAZARDOUS REACTIONS: N/A
CONDITIONS TO AVOID: N/A	INCOMPATIBILITY (Materials to Avoid): N/A	HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI: TOXICOLOGICAL INFORMATION

INGESTION: Nausea may result from accidental ingestion.	EYE: Inflammation of eye tissue may occur from overexposure.	SKIN CONTACT/ABSORPTION: Inflammation from contact with open cuts may occur.
SIGNS AND SYMPTOMS OF EXPOSURE: Short Term: Shortness of breath, coughing associated with inhalation of dust. Long Term: Steady and prolonged exposure to dust concentrations higher than TLV without approved respirator could cause silicosis, a chronic disease of the lungs marked by acute fibrosis, may cause cancer based on animal data.		
HAZARD BY ROUTES OF EXPOSURE: INHALATION: **WARNING:** Feldspar is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupation Safety and Health Administration (OSHA). In October, 1996, an IARC working group re-assessing crystalline silica, a component of this product, designated crystalline silica as a Group 1 carcinogenic. The NTP indicates that crystalline silica is reasonably anticipated to be a Group 2 carcinogen. These classifications are based on sufficient evidence of carcinogenicity in certain experimental animals and on selected epidemiological studies of workers exposed to crystalline silica. These studies only rarely, however, include data on smoking, potential confounding exposures, and assurance of the comparability of referent population. Repeated prolonged inhalation of dust may cause delayed lung injury which may result in silicosis or pneumoconiosis.		
WARNING: This product contains respirable sized crystalline silica, a chemical known to the State of California to cause cancer. Compliance with all warning concerning this material is required.		

SECTION XII: ECOLOGICAL INFORMATION

Non-Hazardous

SECTION XIII: DISPOSAL CONSIDERATIONS

WASTE AND CONTAINER DISPOSAL METHODS:
Disposal methods for non-hazardous materials should be complied with. May be buried in approved land disposal facility in accordance with Federal, State, and local regulations. Feldspar is not a hazardous waste under RCRA (40 CRF Part 261). Feldspar is not regulated by DOT.

SECTION XIV: TRANSPORT INFORMATION

Not Regulated

SECTION XV: REGULATORY INFORMATION

Not Regulated

SECTION XVI: OTHER INFORMATION

Date Issued: **November 23, 2016**

The information contained herein is believed to be accurate, but Pacer Minerals LLC makes no warranty with respect there to and disclaims responsibility thereon. This information applies only to the specific material described herein, and does not relate to use in connection with any other materials or in any process.

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