



## MATERIAL SAFETY DATA SHEET PERLITE ORE PRODUCTS

### 1. PRODUCT AND COMPANY INFORMATION

**DICALITE MINERALS CORP. 1 Bala Avenue, Suite 310, Bala Cynwyd, PA 19004**

**Trade Name(s):** Dicaperyl, Perlite Ore, from Socorro NM Deposit  
SOC-000,00,60,66,66A,66C,67,68,69,70,71,72,75,77,78,79,82

**Generic Name:** Perlite Ore, Alumina Silicate

**CAS #:** 130885-09-5

**EINECS:** NA

**Formula:** Predominantly Alumina-Silicate

**Chemical Name:** Perlite

**Manufacturer:** DICAPERL MINERALS, INC

NOBLE PERLITE LLC.

**Address:** 1 Bala Ave, Suite 310

**Telephone:** (610)660-8840 (530)-335-5451

**City:** Bala Cynwyd **State:** PA **Zip:** 19004

**Primary Material Use:** Multi-Functional Industrial/Commercial Mineral

**Date of Preparation:** 11/2011 **by:** Dicalite/Dicaperyl Minerals

### 2. COMPOSITION-INGREDIENT INFORMATION

INGREDIENT NAME	CAS NUMBER	%	PEL/TLV
Perlite, Alumina Silicate	130885-09-5	100	See Below
Quartz Respirable Quartz, ACGIH	14808-60-7	(< 2%)	0.025mg/M <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Appearance:** White to Grey, no specific odor.

**OSHA Regulations Status:** OSHA 29CFR 1910.1200

**Potential Health Effects:** See section 11 Toxicological information.

**Primary Entry Routes:** See below

**Eyes:** Temporary irritation or inflammation

**Skin:** May cause dryness with continued exposure.

**Ingestion:** Not considered harmful in small amounts, but mouth,throat and stomach irritation may occur.

**Chronic Health Effects:** This product may contain crystalline silica (CS), which is classified as a hazard by inhalation. Long term inhalation of respirable crystalline silica dusts in excess of the TLV (threshold limit value), over a prolonged period may cause a non-cancerous lung disease (silicosis). Inhalation of respirable crystalline silica has been classified as carcinogenic (Group1) by IARC, a unit of the World Health Organization. Respirable crystalline silica is listed by the NTP as a known human carcinogen.

**Conditions aggravated by pre-existing conditions:** Upper respiratory and lung disease such as bronchitis, emphysema, and exposure asthma.

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### **4. FIRST AID MEASURES**

**Eyes:** Do not rub eyes. Flush eyes with copious amounts of water to remove any dust particles. Consult a physician if irritation persists.  
**Inhalation:** Remove from dusty area; drink water to clear throat; blow nose to evacuate dust.  
**Skin Contact:** Use moisturizing lotions if dryness occurs.  
**Skin Absorption:** NA  
**Ingestion:** Drink copious amounts of water to reduce bulk and dryness effects.

### **5. FIRE FIGHTING MEASURES**

Flash Point(Method): Nonflammable  
NFPA Flammable/Combustible N/A  
Flammable Limits: N/A  
Liquid Classification: N/A  
Extinguishing Media: N/A  
Auto-Ignition Temperature: N/A  
Unusual Fire or Explosion Hazards : None  
Special FireFightingProcedures: None

### **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions Use proper PPE (See section 8)  
Environmental Precautions No significant environmental impact  
Containment and Cleanup Clean up material with vacuum equipped with HEPA filter. Use water as dust suppressant if necessary.

### **7. HANDLING AND STORAGE**

Handling: Minimize dust generation and accumulation. Avoid contact with eyes. Avoid breathing dust. Repair or dispose of broken bags immediately.  
Storage: Keep away from hydrofluoric acid. Keep dry, and away from odors.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Goggles: The use safety eyewear to protect from dusts is recommended.  
Gloves: May use gloves to protect overly-sensitive skin.  
Respirator: Use NIOSH approved respirators to protect against silicosis producing dusts. For dust concentrations:<10x PEL, use an N95 quarter or half mask respirator; <50X PEL, use a full face respirator equipped with N95 filters; <200X PEL, use a powered air purifying respirator (positive pressure) with N95 filters; for dust concentrations >200X the PEL use a type C, supplied air respirator (continuous flow, positive pressure), with a full face piece.  
Ventilation: Use adequate exhaust ventilation and/or dust collection to keep dust levels below TLV.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odor: White to Grey solid, powder, odorless.  
Boiling Point: N/A Evaporation Rate ( = 1): N/A  
Vapor Pressure: N/A Specific Gravity (water = 1): 2.3  
Water Solubility (%): Negligible Melting Point: >1900F  
Vapor Density:(Air=1): N/A % Volatile by Volume: NONE  
pH (10% Solution) 6-10

### **10. STABILITY AND REACTIVITY**

Material is an inorganic mineral. Material is stable. Hazardous polymerization cannot occur.

Physical Hazards: Material not reactive  
Conditions to Avoid: None in prescribed use.  
Incompatibilities: Hydrofluoric Acid (HF).  
Hazardous Decomposition Products: None

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**11. TOXICOLOGICAL INFORMATION**

**Summary:** This product may contain crystalline silica (CS), which is classified as a hazard by inhalation. Long term inhalation of respirable crystalline silica dusts in excess of the TLV (threshold limit value), over a prolonged period may cause a non-cancerous lung disease (silicosis). Inhalation of respirable crystalline silica has been classified as carcinogenic (Group1) by IARC, a unit of the World Health Organization. Respirable crystalline silica is listed by the NTP as a known human carcinogen.

**12. ECOLOGICAL INFORMATION**

Naturally occurring mineral. Normally considered inert in the environment. If contaminated, evaluate according to all applicable Federal, State, and Local laws and regulations. Will not biodegrade, bioaccumulation unlikely.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Material is non-hazardous by RCRA definition (40 CFR 61) Dispose of in accordance with applicable, Federal, State and Local laws and regulations.

**Packaging Disposal:** Dispose of in accordance with applicable, Federal, State and Local laws and regulations.

**14. TRANSPORTATION INFORMATION**

**U.S.D.O.T. Proper Shipping Name:** Perlite  
Shipping class 55 (no restrictions).  
**Hazard Classification:** Not Classified  
**Reportable Quantities:** N/A  
**UN (United Nations), NA (North American) Number:** N/A

**15. REGULATORY INFORMATION**

**D.O.T. Proper Shipping Name:** Perlite  
**D.O.T. Hazard Classification:** Not Classified  
**UN, NA Number:** Not Applicable  
**RCRA:** This material (as a product) is not defined as a hazardous waste under RCRA 40CFR Part 261.  
**TSCA:** This material is listed in the TSCA inventory but is not otherwise regulated by TSCA  
**CERCLA:** Material not reportable under CERCLA. Comply with Local Requirements. RQ=Not Applicable  
**California Proposition 65:** This product contains chemicals known to the State of California to cause cancer.  
**SARA Title III:** Not Listed  
**NTP:** Crystalline silica in respirable size, in industrial and occupational settings is classified by the NTP as a carcinogen.

**16. OTHER INFORMATION**

NFPA		4-Extreme
		3-High
		2-Moderate
		1-Slight
		0-Insignificant
HMIS	* 1 Health	
	0 Flammability	
	0 Reactivity	
	E Protective Equipment	

As of the date of preparation and or revision of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State law(s). However, no warranty, representation, or guaranty, express or implied with respect to this information or it's completeness is intended or given. Customer users of silica must comply with all applicable health and safety laws, regulations and orders, including OSHA hazardous Communication standards.

