



**MATERIAL SAFETY DATA SHEET FLUX-CALCINED DE PRODUCTS**

**1. PRODUCT AND COMPANY INFORMATION**

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

**Trade Name(s):** Dicalite (AllFlux calcinedProducts) Dicalite341,SPEEDPLUS,375,SPEEDEX,2500,SWIMPOOL,4200,4500,5000,6000,7000,WB-6,WB-6A).

**Generic Name:** Flux-Calcined Diatomaceous Earth  
**CAS #:** 68855-54-9\*  
**EINECS:** 272-489-0  
**Formula:** Predominantly SiO2  
**Chemical Name:** Silica  
**Manufacturer:** DICALITE MINERALS CORP.  
**Address:** 1 Bala Ave, Suite 310  
**Telephone:** (610)660-8840 (530)-335-5451  
**City:** Bala Cynwyd **State:** PA **Zip:** 19004  
**Primary Material Use:** Filter Aid/Filler  
**Date of Preparation:** 11/05/08 **by:** Dicalite Minerals Corp./Dicaperl Minerals Inc.

**2. COMPOSITION-INGREDIENT INFORMATION**

INGREDIENT NAME	CAS NUMBER	%	PEL/TLV
Flux-Calcined Diatomaceous Earth (DE) 68855-54-9*		100	See Below
Quartz	14808-60-7	(up to 5%)	
Respirable Quartz, ACGIH			0.025mg/M <sup>3</sup>
Cristobalite	14464-46-1	(up to 70%)	
Respirable Cristobalite, ACGIH			0.025mg/M <sup>3</sup>

**3. HAZARDS IDENTIFICATION**

**Appearance:** White lightweight powder, 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 contains 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 exposure** Pre-existing upper respiratory and lung disease such as bronchitis, emphysema,and asthma.

**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 off white powder; odorless.	Evaporation Rate ( = 1):	N/A
Boiling Point:	N/A	Specific Gravity (water = 1):	2.3
Vapor Pressure:	N/A	Melting Point:	N/A
Water Solubility (%):	Negligible	% Volatile by Volume:	NONE
Vapor Density:(Air=1):	N/A		
pH (10% solution)	8-11		

**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

**11. TOXOCOLOGICAL INFORMATION**

**Summary:** This product contains 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**

Normally considered inert in the environment as manufactured. 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:** Earth, Diatomaceous, crude or ground  
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:** Earth, Diatomaceous Earth, crude or ground

**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	0	4-Extreme
	1	3-High
	0	2-Moderate
	-	1-Slight
	-	0-Insignificant

HMIS	*	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 its 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.

