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, 4500,4500C,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:	11/01/2011 **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^3
Cristobalite	14464-46-1	(up to 70%)	
Respirable Cristobalite, ACGIH			0.025mg/M^3

3. HAZARDS IDENTIFICATION

Appearance:	White lightweight powder, no specific odor.
OSHA Regulations Status:	OSHA 29CFR 1910.1200
Potential Health Effects:	See section 11 Toxocological 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 accumlation. 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.
PEL/TLV:	ACGIH 0.025mg/M^3 OSHA/NIOSH 0.05mg/M^3
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.		
Boiling Point:	N/A	Evaporation Rate (= 1):	N/A
Vapor Pressure:	N/A	Specific Gravity (water = 1):	2.3
Water Solubility (%):	Negligible	Melting Point:	>1300C
Vapor Density:(Air=1):	N/A	% Volatile by Volume:	NONE
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 PEL/TLV (personal exposure limit/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.

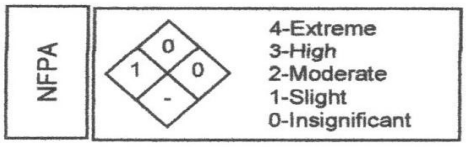
14.TRANSPORATION INFORMATION

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.
Canada DSL	Flux-Calcined DE is listed on the DSL
EU/EEC Risk Safety Phrases	R48/20, S38

16. OTHER INFORMATION



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