



MATERIAL SAFETY DATA SHEET DICAFLLOCK CELLULOSE PRODUCTS

**1. PRODUCT AND COMPANY INFORMATION**

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

**Trade Name(s):** Dicafllock, DF-5, DF-10, DF-40, DF-100, DF-200  
**Generic Name:** Cellulose Fiber  
**CAS #:** 9004-34-6  
**EINECS:** NA  
**Formula:** Cellulose  
**Chemical Name:** Cellulose  
**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:** Multi-Functional Industrial/Commercial Mineral  
**Date of Preparation:** 3/29/2010 **by:** Dicalite Minerals Corp.

**2. COMPOSITION-INGREDIENT INFORMATION**

INGREDIENT NAME	CAS NUMBER	%	PEL/TLV
Cellulose Fiber	9004-34-6	100	5 mg/M <sup>3</sup> Nuisance Dust, OSHA 15 mg/M <sup>3</sup> Total Nuisance Dust, OSHA 10mg/M <sup>3</sup> Total Nuisance Dust, ACGIH

**3. HAZARDS IDENTIFICATION**

**Emergency Overview**

**WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING)**

**Appearance:** White to off-white 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:** No known chronic health effects.  
**Conditions aggravated by pre-existing conditions:** Upper respiratory and lung disease such as bronchitis, emphysema,and exposure 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****Emergency Overview****WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING)**

Flash Point(Method):	Flammable
NFPA Flammable/Combustible	N/A
Flammable Limits:	N/A
Liquid Classification:	N/A
Extinguishing Media:	Water, CO <sub>2</sub> , Dry Chemical
Auto-Ignition Temperature:	450F
Unusual Fire or Explosion Hazards :	Airborne dust may be explosive. If material becomes wet, biodegradation may cause spontaneous combustion.

**Explosion:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

---

Special FireFightingProcedures: Keep personnel removed from and upwind of fire. Wear appropriate fire-fighting gear (full Bunker Gear). Use SCBA (Self Contained Breathing Apparatus) to avoid exposure to combustion products.

**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.

Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used.

**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 flame, heat, and oxidizers. Keep dry, and away from odors.
	Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
	Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmosphere.

**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 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.
	It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen- deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks:

**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):	1.5
Water Solubility (%):	Negligible	Melting Point:	N/A
Vapor Density:(Air=1):	N/A	% Volatile by Volume:	NONE
pH (10% Solution)	6-10	Kst bar/m/s	200-300
LEL	30g/m3	MIE millijoules	>100
Particle Size	<200um		

**10. STABILITY AND REACTIVITY**

Material is stable. Hazardous polymerization cannot occur.

Physical Hazards:	Material not reactive
Conditions to Avoid:	None in prescribed use.
Incompatibilities:	Oxidizers.
Hazardous Decomposition Products:	None

**11. TOXICOLOGICAL INFORMATION**

**Summary:** Material is a nuisance dust. No known acute or chronic health hazards.

**12. ECOLOGICAL INFORMATION**

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**

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

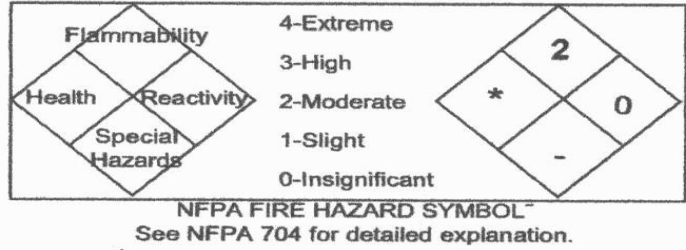
**15. REGULATORY INFORMATION**

<b>D.O.T. Proper Shipping Name:</b>	Cellulose Fiber
<b>D.O.T. Hazard Classification:</b>	Not Classified
<b>UN, NA Number:</b>	Not Applicable
<b>RCRA:</b>	This material (as a product) is not defined as a hazardous waste under RCRA 40CFR Part 261.
<b>TSCA:</b>	This material is listed in the TSCA inventory but is not otherwise regulated by TSCA
<b>CERCLA:</b>	Material not reportable under CERCLA. Comply with Local Requirements. RQ=Not Applicable
<b>California Proposition 65:</b>	NA
<b>SARA Title III:</b>	Not Listed
<b>NTP:</b>	NA

**16. OTHER INFORMATION**

Refer to NFPA 654, *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids*, for safe handling.

---



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 cellulose must comply with all applicable health and safety laws, regulations and orders, including OSHA Hazardous Communication standards.

