



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CCW MiraClay mat, Bentonite Clay

Product Use: Natural Mineral, Montmorillonite

Product Use: Waterproofing

Manufacturer/Supplier

Carlisle Coatings & Waterproofing Incorporated
900 Hensley Lane
Wylie, TX 75098
Internet Address: www.Carlisle-CCW.com
Fax Number: (972) 442-0076

Phone Numbers

Medical Emergency:

CHEMTREC (USA): (800) 424-9300

CHEMTREC (International):

MSDS Assistance: (972) 442-6545

Fax On Demand: NA

Technical Assistance: (888) 229-2199

Customer Service: (888) 229-0199

2A. HAZARDOUS INGREDIENTS

	CAS #	%	OSHA PEL (ppm) TWA	Skin STEL Ceiling	LD50 of Ingredient mg/kg Designation	LC50 of Ingredient ppm/4H
Crystalline Quartz	14808-60-7	1-4				
Respirable Crystalline Quartz		<1	0.1mg/m3 (50ug/m3 proposed)			
Nuisance Dust			5mg/m3			

Ratings

Health 0 **Flammability** 0 **Reactivity** 0

2B. ADDITIONAL INGREDIENTS (> 3%)

Bentonite 1302-78-9

3. PHYSICAL DATA

SPECIFIC GRAVITY: NA
BOILING POINT: NA
% VOLATILES BY WT: NA
VAPOR DENSITY (Air = 1): NA
VAPOR PRESSURE: NA
FREEZING POINT: NA
SOLUBILITY IN WATER: Negligible
EVAPORATION RATE (NBuAc=1): NA
pH: ND
PHYSICAL STATE: Solid
ODOR THRESHOLD: NA
VOC: ND
ODOR & APPEARANCE: Pale gray to buff powder or granules in Geotextile materials, odorless

4. FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY IF YES, UNDER WHAT CONDITIONS: NA
FLASHPOINT: NA
AUTOIGNITION TEMPERATURE: NA
LOWER FLAMMABLE LIMIT: NA
UPPER FLAMMABLE LIMIT: NA
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, Silica
EXTINGUISHING MEDIA: Water, CO2
SPECIAL FIREFIGHTING PROCEDURES : Treat as ordinary combustible fire
UNUSUAL FIRE & EXPLOSION HAZARDS: NA

5. REACTIVITY DATA

Hazardous polymerization will not occur: Stable
CONDITIONS TO AVOID: None Known
INCOMPATIBILITY: None known
DECOMPOSITION PRODUCTS: None known

6. TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Route of Entry: Skin Contact Skin Absorption Eye Contact X Inhalation X Ingestion
Normal use of product should not result in dust generation. If dust is generated and inhaled over a prolonged period of time, may cause delayed respiratory disease.
Excessive inhalation of generated dust may result in shortness of breath and reduced pulmonary function.
Individuals with pulmonary and/or respiratory disease including but not limited to asthma and bronchitis should be aware of exposure to dust.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Crystalline silica has been classed 2A by IARC based on limited evidence of carcinogenicity. See section 2A.

EXPOSURE LIMITS: 50 ug/m3 (proposed) Respirable crystalline silica
SENSITIZATION TO PRODUCT : None known
IRRITANCY OF PRODUCT: Respiratory, eyes
SYNERGISTIC PRODUCTS: None known
CARCINOGENICITY: Crystalline silica, IARC Class 2A
MUTAGENICITY & TUMORIGENICITY: ND
REPRODUCTIVE TOXICITY: ND
TERATOGENICITY: ND

7. PREVENTIVE MEASURES

EYE PROTECTION:	Recommended
GLOVES:	Not required
RESPIRATOR:	OSHA standard 1910.134 or ANSI Z88.2-1980 specification
FOOTWEAR:	NA
ENGINEERING CONTROLS :	Ventilation: Local exhaust as appropriate Mechanical (general) - as appropriate
LEAK OR SPILL PROCEDURE:	Use good housekeeping practices.
WASTE DISPOSAL:	Follow federal, state and local regulations for solid waste.
HANDLING PROCEDURES & EQUIPMENT: Vacuum if possible to avoid generating airborne dust. Avoid breathing dust, use NIOSH/MSHA approved respirator where TLV limits for respirable crystalline silica may be exceeded. Avoid adding water; the product will become slippery when wet.	
STORAGE REQUIREMENTS:	Keep dry
SPECIAL SHIPPING INFORMATION:	D.O.T. non-hazardous material

8. FIRST AID MEASURES

EYE CONTACT :
Avoid eye contact. In case of contact, immediately flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT :

INHALATION:
Avoid inhalation of dust. In the event of gross inhalation, remove to fresh air, give oxygen or artificial respiration if necessary; seek medical attention.

INGESTION:
Do not take internally. If swallowed, call a physician and do NOT induce vomiting unless directed by physician.

9. SARA SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-to-Know Act of 1986 & of 40 CFR 372.

CHEMICAL NAME	CAS #	%	CHEMICAL NAME	CAS #	%
Respirable Crystalline Quartz	14808-60-7	<1			

10. PREPARATION INFORMATION

Health and Environmental Label Language

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL).

MSDS Revisions: Changed to Word format

Previous Version Date: 02/01/00

Prepared By: R&D Department **Date:** 07/01/08

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