



7820 E Pleasant Valley Rd.
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MATERIAL SAFETY DATA SHEET

SECTION I. PRODUCT IDENTIFICATION

Product name: Crafter's Choice™ Bentonite Clay
Chemical family: Natural occurring, non-metallic mineral, product of mining
Recommended Use: Not available
Recommended restrictions: Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Supplier: IndiMade Brands, LLC DBA Wholesale Supplies Plus
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(800) 359-0944
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Emergency telephone number: (800) 255-3924 USA, Canada, Puerto Rico, and US Virgin Islands
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SECTION II. HAZARD(S) IDENTIFICATION

Physical hazards Not classified Category 1A
Health hazards Carcinogenicity Category 1
Specific target organ toxicity, repeated exposure.
Environmental hazards Not classified
OSHA defined hazards Not classified

Label elements



Signal word Danger
Hazard statement May cause cancer. Causes damage to organs through prolonged or repeated exposure
Prevention Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.
Response If exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage	Store in accordance with local, regional, national, international regulations
Disposal	Dispose of in accordance with local, regional, national, international regulations
Hazards not otherwise classified (HNOC)	None know
Supplemental information	8% of the substance consists of component(s) of unknown acute oral toxicity. 100% of the substance consists of component(s) of unknown dermal toxicity. 100% of the substance consists of component(s) of unknown acute inhalation toxicity. 100% of the substance consists of component(s) of unknown acute hazards to the aquatic environment.

SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	Bentonite
CAS #	1302-78-9
%	100%

Constituents

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Quartz (SiO ₂)	14808-60-7	<=6
Cristobalite	14464-46-1	<=2

Composition comments	Occupational Exposure Limits for constituents are listed in Section VIII
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SECTION IV. FIRST-AID MEASURES

Inhalation	Move to fresh air. Call a physician if symptoms persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Do not rub eyes.
Ingestion	Rinse mouth. Get medical attention if any discomfort occurs.
Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General Information If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION V. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Material can be slippery when wet.

Fire-fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards. No unusual fire or explosion hazards noted.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Material can be slippery when wet. Wear appropriate protective equipment and clothing during cleanup. Do not breathe dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. Local authorities should be advised of significant spillage cannot be contained. For personal protection, see Section VIII of the SDS.

Methods and materials for containment and cleaning up Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. This product is miscible in water. Stop the flow of material, if this is without risk.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Never return spills to original container for re-use. Put materials in suitable container for disposal.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

SECTION VII. HANDLING AND STORAGE

Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section X of the SDS).

SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupations exposure limits

US OSHA Table Z-1 Limits for Air Containments (29CFR 1910.1000)

<u>Constituents</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Cristobalite (CAS 14464-46-1)	PEL	0.05 mg/m ³	Respirable dust
Quartz (SiO ₂) (CAS 14808-60-7)	PEL	0.05 mg/m ³	Respirable dust
		15 mg/m ³	Total dust.

US OSHA Table Z-3 (29 CFR 1910.1000)

<u>Constituents</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Dusts (CAS SEQ250)	TWA	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

Cristobalite (CAS 14464-46-1)	TWA	0.05 mg/me	Respirable
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Quartz (CAS 14808-60-7)	TWA	1.2 mppcf	Respirable
		0.1 mg/m3	Respirable

		2.4 mppcf	Respirable
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US ACGIH Threshold Limit Values

<u>Constituents</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Cristobalite (CAS 14464-46-1)	TWA	0.025 mg/m3	Respirable fraction
Quartz (SiO2)	TWA	0.025 mg/m3	Respirable fraction

US NIOSH Pocket Guide to Chemical Hazards

<u>Constituents</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Cristobalite (CAS 14464-46-1)	TWA	0.05 mg/m3	Respirable dust
Quartz (SiO2)	TWA	0.05 mg/m3	Respirable dust

Biological limit values Exposure Guidelines	No biological exposure limits noted for the ingredients(s). Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.
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Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If material is ground, cut or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.
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Individual protection measures, such as personal protective equipment	
Eye/face protection	Applicable for industrial settings only. If contact is likely, safety glasses with side shields are recommended.
Skin protection	
Hand protection	Applicable for industrial settings only. Wear appropriate chemical resistant gloves.
Other	Applicable for industrial settings only. Use of an impervious apron is recommended.
Respiratory protection	Applicable for industrial settings only. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contamination.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Solid.
Form	Powder. Granular
Color	Grey to white. Tan
Odor	Not available
Odor threshold	Not available
p-H	9 in presence of water, forms translucent suspension with pH approx. 9.0
Melting point/freezing point	Not available
Initial boiling point and boiling Range	Not available
Flash point	Non-flammable
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	
Flammability limit-lower %	Non-explosive
Flammability limit-upper %	Non-explosive
Explosive limit-lower %	Not available
Explosive limit-upper %	Not available
Vapor pressure	0 kPa at (77 ⁰ F (25 ⁰ C))
Relative density	Not available
Solubility(les)	
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Other information	
Explosive properties	Not explosive
Molecular formula	UNKNOWN
VOC	CARB

SECTION X. STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable at normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use
Conditions to avoid	Contact with incompatible materials
Incompatible material	Powerful oxidizers. Chlorine
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION XI. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system
Skin contact	Dust or powder may irritate the skin
Eye contact	Dust may irritate the eyes
Ingestion	Expected to be a low ingestion hazard
Symptoms related to the physical, chemical and toxicological characteristics	Dust may irritate the respiratory tract, skin and eyes

Information toxicological effects

Acute toxicity Not known

Constituents

Cristobalite (CAS 14464-46-1)

Acute

Oral

LD50

Species

Rat

Test Results

> 22500 mg/kg

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation

Respiratory or skin sensitization

Respiratory sensitization

Not a respiratory sensitizer

Skin sensitization

This product is not expected to cause skin sensitization

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on

external factors affecting its biological activity or distribution of its polymorphs.” (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. “There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk...” (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause Cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cristobalite (CAS 14464-46-1)	1 Carcinogenic to humans
Quartz (SiO ₂) (CAS 14808-60-7)	1 Carcinogenic to humans

OSHA Specifically Regulated Substances (29 CFR 1910-1001-1053)

Cristobalite (CAS 14464-46-1)	Cancer
Quartz (SiO ₂) (CAS 14808-60-7)	Cancer

US National Toxicology Program (NTP) Report on Carcinogens

Cristobalite (CAS 14464-46-1)	Known to be Human Carcinogen Reasonably Anticipated to be a Human Carcinogen
Quartz (SiO ₂) (CAS 14808-60-7)	Known to be Human Carcinogen

Reproductive toxicity	This product is not expected to cause reproductive or development effects
Specific target organ toxicity - single exposure	Not classified
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure
Aspiration hazard	Not an aspiration hazard
Chronic effects	Causes damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

Empty container should be taken to an approved waste handling site for recycling or disposal.

SECTION XIV. TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION XV. REGULATORY INFORMATION

US federal regulations	This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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Toxic Substances Control Act (TSCA)	
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	
Not regulated	
CERCLA Hazardous Substance List (40 CFR 302.4)	
Not listed.	
SARA 304 Emergency release notification	
Not regulated.	
US OSHA Specifically Regulated Substances (29 CFR 19190.1001-1005)	
Cristobalite (CAS 14464-46-1)	Cancer
Quartz (SiO ₂) (CAS 14808-60-7)	Cancer
Cristobalite (CAS 14464-46-1)	lung effects
Quartz (SiO ₂) (CAS 14808-60-7)	lung effects
Cristobalite (CAS 14464-46-1)	immune system effects
Quartz (SiO ₂) (CAS 14808-60-7)	immune system effects
Cristobalite (CAS 14464-46-1)	kidney effects
Quartz (SiO ₂) (CAS 14808-60-7)	kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance	
Not listed	
SARA 311/312 Hazardous Chemical	
No (Exempt)	
SARA 313 (TRI reporting)	
Not regulated	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	
Not regulated.	

Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.120)
Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.
Food and Drug Administration (FDA) Total food additive
Direct food additive
GRAS food additive

US state regulations

California Proposition 65



WARNING: This product can expose you to Quartz (SiO₂), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 – CRT: Listed date/Carcinogenic substance

Quartz (SiO₂) (CAS 14808-60-7) Listed October 1, 1988

US California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs. tit. 22, 69502.3, subd. (a))

Cristobalite (CAS 14464-46-1)

Quartz (SiO₂) (CAS 14808-60-7)

International inventories

Country(s) or region	Inventory	On inventory (yes/no)*
Australia	Australia Inventory of Chemical Substances (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemical and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substance Control Act (TSCA)	Yes

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s).

A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION XVI. OTHER INFORMATION

Issue date 10 November 2017
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Version # 53

HMIS Ratings Health: 3*
Flammability: 0
Physical Hazard: 0

NFPA ratings Health: 2
Flammability: 0
Instability: 0

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