

EXHIBIT 15

Material Safety Data Sheet, Black Hills Bentonite Co., Casper, Wyoming

15

PRODUCT: Bentonite 200 Mesh

CODE: BEN001



### Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... BLACK HILLS BENTONITE CO  
 BOX 152  
 CASPER  
 WY  
 USA  
 82602

PRODUCT NAME..... Bentonite 200 Mesh  
 PRODUCT CODE(S)..... BEN001  
 MATERIAL USE..... Sealing of fresh water ponds, lagoons and landfills.  
 PRODUCT USE..... 200 Mesh.  
 CHEMICAL FAMILY..... Silica.  
 SYNONYMS..... Silicon Dioxide, Synthetic, Crystalline-Free.  
 24 HOUR EMERGENCY NUMBER..... CALL Newalta Industrial Services 1-800-567-7455.

### Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
Crystalline Silica - Quartz	2-6	0.025 mg/m3 Resp	14808-60-7	> 8000 mg/kg Oral Rat	Not Indicated
Kaolin		2 mg/m3	1332-58-7	Oral Rat > 5000 mg/kg	Not Available
		TWA/ACGIH Respirable		Dermal Rat > 2000 mg/kg	

### Section 03: HAZARDS IDENTIFICATION

SIGNAL PHRASE..... IARC Group 1. Carcinogen.  
 ROUTE OF ENTRY..... Eye contact. Skin contact. Inhalation. Ingestion.  
 SKIN CONTACT..... May cause mild irritation. Avoid skin contact.  
 EYE CONTACT..... May cause eye irritation. Avoid eye contact.  
 INGESTION..... Do not ingest.  
 INHALATION..... IARC has classified Crystalline Silica as carcinogenic to humans. May cause irritation of nose, throat or respiratory tract. Avoid inhalation.  
 MEDICAL CONDITIONS AFFECTED BY EXPOSURE..... Respiratory disorders.  
 SIGNS OF OVER EXPOSURE..... Prolonged, excessive exposure to dust may cause chronic pulmonary disease.

### Section 04: FIRST AID MEASURES

SKIN CONTACT..... Wash affected area immediately with large amounts of soap and water. If irritation develops or persists, seek medical attention.  
 EYE CONTACT..... Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention.  
 INHALATION..... Move victim to fresh air. Oxygen may be administered if breathing is difficult. If breathing has stopped, perform artificial respiration. In all cases of doubt, or when symptoms persist, seek medical attention.  
 INGESTION..... DO NOT induce vomiting. Drink 1 or 2 glasses of water. Seek immediate medical attention.  
 NOTES TO PHYSICIAN..... Treat symptomatically.

### Section 05: FIRE FIGHTING MEASURES

FLASH POINT (°C), METHOD..... Not flammable.  
 AUTO IGNITION TEMPERATURE (°C)..... Not applicable.  
 UPPER FLAMMABLE LIMIT (% VOL)..... Not applicable.  
 LOWER FLAMMABLE LIMIT (% VOL)..... Not applicable.  
 FLAMMABILITY..... Com I.  
 EXTINGUISHING MEDIA..... Water spray, foam, dry powder or carbon dioxide.  
 HAZARDOUS COMBUSTION PRODUCTS..... Not applicable.  
 SENSITIVITY TO MECHANICAL IMPACT..... Not sensitive.  
 SENSITIVITY TO STATIC DISCHARGE..... Dust suspended in air in critical proportions and in the presence of an ignition source may cause explosion.  
 SPECIAL FIRE FIGHTING PROCEDURES..... Firefighters should wear protective equipment as required.  
 UNUSUAL FIRE / EXPLOSION HAZARDS..... Avoid high dust concentrations.

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**Section 06: ACCIDENTAL RELEASE MEASURES**

LEAKS AND SPILLS..... Avoid creating dust. Vacuum/shovel up and transfer into a drum for reuse or disposal. May create a slippery condition when wet. Wear protective clothing during cleanup.

**Section 07: HANDLING AND STORAGE**

HANDLING PROCEDURES..... Avoid creation of respirable dust. Avoid contact with eyes and skin. Avoid inhalation and ingestion. Wash skin thoroughly after handling and before eating or smoking. Use good industrial hygiene practices in handling this material.

STORAGE NEEDS..... Store in a cool, dry, well-ventilated area.

**Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION REQUIREMENTS..... Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**PROTECTIVE EQUIPMENT**

EYE/TYPE..... Wear safety glasses with side shields or goggles. Facilities should be equipped with an eyewash station and safety shower.

RESPIRATORY/TYPE..... A NIOSH/OSHA approved dust respirator should be worn. Determine the appropriate type by consulting the respirator manufacturer.

GLOVES/ TYPE..... Wear protective gloves.

CLOTHING/TYPE..... No special protective clothing is required.

FOOTWEAR/TYPE..... No special footwear is required.

BODY/TYPE..... No special protective clothing is required.

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... Yellow. Blue. Brown. Granules. Powder.

ODOUR..... Earthy odour.

ODOUR THRESHOLD (ppm)..... Not available.

VAPOUR DENSITY (AIR=1)..... Not applicable.

SPECIFIC GRAVITY..... 2.6, water = 1.

VAPOUR PRESSURE (mm Hg)..... Not applicable.

EVAPORATION RATE..... Not applicable.

BOILING POINT (°C)..... Not applicable.

pH..... Not available.

SOLUBILITY IN WATER (% W/W)..... Negligible.

COEFFICIENT OF WATER/OIL..... Not applicable.

**DISTRIBUTION**

FREEZING POINT (°C)..... Not applicable.

MELTING POINT (°C)..... Not available.

**Section 10: STABILITY AND REACTIVITY**

HAZARDOUS POLYMERIZATION..... Will not occur.

STABILITY..... Stable.

INCOMPATIBILITY..... None.

CONDITIONS TO AVOID..... Avoid generating dust.

HAZARDOUS PRODUCTS OF..... None hazardous.

DECOMPOSITION

**Section 11: TOXICOLOGICAL INFORMATION**

TOXICITY EFFECTS ON ANIMALS..... No additional remark.

TOXIC EFFECTS ON HUMANS..... May cause slight respiratory irritation. Mild eye irritant. Non-irritant in case of skin.

CHRONIC EFFECTS ON HUMANS..... Prolonged exposure can cause pulmonary disease. Long term exposure to products containing Crystalline Silica may cause silicosis.

CARCINOGENICITY..... IARC Group 1.

TERATOGENICITY..... No evidence of teratogen effects.

MUTAGENICITY..... No evidence of mutagenic effects.

REPRODUCTIVE EFFECTS..... No evidence of reproductive effects.

**Section 12: ECOLOGICAL INFORMATION**

ECOTOXICITY DATA..... No adverse effects known.

PRODUCTS OF DEGRADATION..... No specific information is available in our database regarding the degradation of this product.

BIODEGRADABILITY..... Our database contains no additional remark on the biodegradation of this product.

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**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations.

**Section 14: TRANSPORT INFORMATION**

TDG CLASSIFICATION..... Not regulated under TDG.

**Section 15: REGULATORY INFORMATION**

CEPA STATUS..... All the ingredients are on the DSL list.  
CONTROLLED PRODUCTS REGULATIONS This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this document contains all the information required by the Controlled Products Regulations.  
WHMIS CLASSIFICATION..... WHMIS Class D2A: Materials Causing Other Toxic Effects-Very Toxic Material.  
U.S. TSCA INVENTORY STATUS..... All components of this product are listed on the TSCA Chemical Substances Inventory or are exempt.

**Section 16: OTHER INFORMATION**

REFERENCES..... Manufacturer's Material Safety Data Sheet.  
TELEPHONE NUMBER:..... 905-458-7111.  
PREPARED BY: ..... Regulatory Affairs  
PREPARATION DATE: ..... JUN13/13