



M&B ENTERPRISES

Safety Data Sheet

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Section 1: Identification of the material and supplier

Product Identifier –**Bio-Set**
Product use-Absorbent (General)
Manufacturer Name -M&B Enterprises
Address- 3007 Kingston Rd Suite 215
City: Toronto
Province: Ontario
Country: Canada Postal Code M1M 1P1
Tel: 416 289 4740 Ext. 1
Emergency Telephone: Phone 416 570 0665
Date SDS prepared: July 8, 2014 SDS prepared by Health & Safety Department

Section 2: Hazard(s) Identification

Eye Contact: *Airborne dust may cause irritation of eyes.*
Inhalation: If inhaled in form of dust, oral cavity and throat irritation.
Ingestion: Will cause irritation in the mouth, throat, stomach and digestive track.
Summary: Prolonged and repeated exposure to excessive concentrations of this products dust or any nuisance dust may cause serious medical conditions. Single exposure will not result in serious adverse effects.



DANGER

Section 3: Composition / Information on Ingredients

CHEMICAL IDENTITY	CONCENTRATION	CAS#/NA#/UN#	LD(50)	LC(50)
DIAMATOMACEOUS EARTH	60 - 100 %	61790-53-2	SEE BELOW	N/Av.
FREE CRYSTALLINE SILICA OR SILICA QUARTZ	0.1 – 1.0 %	14808-60-7	SEE BELOW	N/AV.
PORTLAND CEMENT	100%	65997-15-1	SEE BELOW	N/a
CALCIUM OXIDE	1-5%	1305-78-8	SEE BELOW	N/a
CHROMATES	TRACE	7440-47-3	SEE BELOW	N/a
CRYSTALLINE SILICA	0.1-1 %	14808-60-3	SEE BELOW	N/a
CALCIUM OXIDE	90TO 100 WT.	1305-78-8	SEE BELOW	N/A
CRYSTALLINE SILICA QUARTZ	0A O.1OR 0.1 A1 (NOTE 1)	14808-60-7	SEE BELOW	N/A
GYPSUM PLASTER	26499-65-0	65 WT. %	SEE BELOW	N/a
CRYSTALLINE SILICA (SAND)	14808-60-7	25% WT.	SEE BELOW	N/a
GYPSUM (CASO4.2H2O)	10WT.	10 WT.	SEE BELOW	N/a
ALL OTHER INGREDIENTS OF THIS PRODUCT ARE EXEMPT FROM BEING REPORTED UNDER HAZARDOUS PRODUCTS ACT AND CONTROLLED PRODUCT REGULATIONS				
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For sampling of silica dusts refer to NIOSH analytical Method 7500 or OSHA method ID 142

Section 4: First-Aid Measures

Eye Contact:

Rinse eyes thorough with large amounts of water for at least 15 minutes including under lids to Remove all particles. May cause inflammation and irritation.rns.

Skin Contact: May cause dryness. Remove contaminated clothing. Wash with soap and water until clean. Use moisture renewing lotions if dryness persists. Product is not absorbed through or by the skin.

Inhalation: Move person to fresh air. Acute inhalation can cause dryness of the nasal passage and congestion of the upper respiratory tract. Seek medical attention for discomfort or if coughing do not subside.

Ingestion: Do not induce vomiting. Have person drink plenty of water to reduce bulk and drying effects. Short time exposure not considered harmful.

Section 5: Fire-Fighting Measures

Fire and Explosive Hazard	None	Upper Flammability Limit (% by volume)	N/ap
Auto-Ignition Temperature:	N/ap,	Lower Flammability Limit (% by volume)	N/ap
Flash Point Method.	Non Flammable	Special Procedures	N/ap
Unusual Fire and Explosive Hazards,:	N/ap	Sensitivity to Static Discharge	No
Extinguisher Medium:	N/ap	Flammability Limits in Air	N/ap

Section 6: Accidental Release Measures

Avoid actions that create further dust. Vacuum with equipment fitted with a filter. Alternatively wet sweep and put in approved Haz-Mat containers for proper disposal.

Wear appropriate protective equipment as described in Section 8

Dispose of in accordance with local municipalities, state, provincial and Federal Regulations.

Section 7: Handling and Storage

Avoid creating dust. Repair or properly dispose of broken containers. Use wet process or enclosed handling. Store in a dry place to maintain. Keep containers closed and in good condition. Repair damaged containers.

Section 8: Exposure Controls/Personal Protection

Permissible Exposure Limits (For airborne, nuisance dusts)	OSHA PEL 8 ht TWA	ACGIH TVL	OHS 8 hr TVA	OHS STEL
Bio_Set				
Total dust	15 mg/m	Not detected	4mg/m3	N/a
Respirable dust	5mg/m3	Not detected	1.5mg/m3	n/a
Crystalline quartz (respirable)	o.1 mg/m3	0.1 mg/m3	0.225mg/m3	n/a

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Effects of Chronic Exposure to product: Exposure to quantities of crystalline silica dust, in the forms of quartz cristobalite or tridymite may be occur when in the presence of airborne dust. If the dust concentration levels are in excess of the OSHA permissible limit (PEL-TWA 8hr) of 0.05 mg/m3 or the ACGIH threshold limit value (TVL) of 0.05 mg/m3, the crystalline silica present is a know cause of silicosis, a progressive sometimes fatal lung disease.

Personal Protective Equipment:

Gloves:	Use approved gloves
Eye:	Use protective goggles in high dust conditions
Footwear:	As required on the job site.
Clothing:	Wear coveralls in high dust conditions.
Respirator:	Avoid breathing dust. Use a NIOSH respirator when dust limits are in excess of OSHA Limits.

Section 9: Physical and Chemical Properties

Physical State:	Powderly	Evaporation Rate	N/ap
Appearance:	Grey	PH in Water	N/ap.
Odor	None	Boiling point	N/ap.
Vapor Pressure	N/ap.	Freezing point	N/AP
Vapor Density	N/ap.	Viscosity	None-solid
Specific Gravity	0.630lb/cu. Ft.	Solubility in Water	None
PH	0.630 lb/cu ft.		

Section 10: Stability and Reactivity

Chemical Stability (If no, under which conditions)	yes
Incompatibility with other substances	yes Hydrofluoric Acid –silica may react violently
Avoid contact with any strong acids	
Reactivity, and under what conditions.	N/ap
Hazardous Decomposition Products	N/ap
Conditions to avoid	None in designed use

Section 11: Toxicological Information

Primary Entry Routes:

Eyes- may cause temporary irritation or inflammation.

Skin- may cause dryness with continued exposure.
 Ingestion- Not considered harmful, by mouth, throat, and /or stomach. Minor irritation may occur.
 Inhalation Persistent dry cough throat irritation and labored breathing on exertion symptomatic of exposure to airborne dust.
 Exposure may aggravate existing upper respiratory tract diseases such as asthma, bronchitis or emphysema. Acute
 (short Term) exposure to dust levels exceeding the PEL may cause irritation of respiratory tract resulting in a dry cough. Eyes
 My develop redness and become itchy. Chronic (long term) exposure to crystalline silica contained by airborne
 diatomaceous earth where levels are higher than TLV"S may lead to the development of silicosis, or other forms of
 respiratory problems.

Section 12: Ecological Information

- Product is generally considered chemically inert in the environment. Used product that has become contaminated may have significantly different characteristics than uncontaminated product and should be re-evaluated accordingly. Dispose of in accordance with local state provincial and federal regulations

Section 13: Disposal Considerations

- All product should be disposed in accordance with State, Federal, Local, Municipal, Regional, and Provincial Regulations. Please consult local regulations before disposal.

Section 14: Transport Information

- Canada: TDG Regulations: Not Regulated
- USA: DOT Regulations: Not Regulated

Section 15: Regulatory Information

- **WHMIS Regulations, this product is not regulated under WHMIS guidelines**
- **This product contains no toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 - Toxic Chemical Release Reporting).**
- **EPA SARA 311/312 Hazard Classification: This product is considered hazardous under OSHA and SARA Title III, Section 301. Category: Chronic Health.**
- **CERCLA Section 103: This product is not subject to CERCLA reporting requirements as it is sold. Refer to CERCLA regulations to determine if used product mixed with other**
- **Chemicals or materials may be reportable. Many states have more stringent release reporting requirements. Reports spills required under federal, state and local regulations.**
- **EPZ Toxic Substance Control Act (TSCA): All of the ingredients are listed on the TSCA Chemical Substances Inventory.**
- **DOT Marine Pollutants: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.**

Section 16: Other Information

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