



MATERIAL SAFETY DATA SHEET

IN ACCORDANCE WITH 91/155/EEC, 93/112/EEC, 2001/58/EC, 2001/59/EC

Diatomaceous Earth

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY	
Trade Name:	Diatomaceous Earth, Diatomite, Moler Earth, Infusorial Earth, Kieselguhr.
Usage:	Various
Supplier:	BEG-TUG Industrial Minerals Ltd.
Reg. Address:	Gürpınar Cad. No: 30/A, Bulgurlu-Libadiye-Üsküdar, İstanbul-Turkey
EMERGENCY Phone Number:	0090.216.520 26 27
Fax Number:	0090.216.521 48 53

2. COMPOSITION/INFORMATION ON INGREDIENTS	
DIATOMACEOUS EARTH	
CAS No	68895-54-9
A natural amorphous silica: SiO ₂ with minor amounts of aluminium, iron, calcium, magnesium and other elements. Typical mineralogical composition: 98% Diatomaceous Earth, 2% Quartz.	

3. HAZARD IDENTIFICATION
Diatomaceous Earth is not flammable, combustible or explosive, and has no known adverse environmental effects. However it should be noted that this product may contain low levels of quartz (CAS 14808-60-7). Quartz dust is injurious to the lungs. Potential Health Effects Inhalation: Respirable crystalline silica can cause chronic silicosis, a fibrosis of the lungs. Eye Contact: May cause abrasion of the cornea. Skin Contact: May cause abrasion to skin. Ingestion: No known health effect. Medical Conditions Aggravated by Exposure: The condition of individuals with lung disease (eg bronchitis, emphysema, chronic obstructive pulmonary disease) can be aggravated by exposure.



4. FIRST-AID MEASURES	
Eyes:	May cause mechanical irritation which can result in redness, itching and lachrymation. If contact with the eye occurs, wash with copious amounts of water for approximately 15 minutes. Seek medical attention if irritation persists.
Skin:	May cause mechanical irritation in contact with the skin. Wash thoroughly with water. Wash clothes before re-use.
Ingestion:	Material is biologically inert. It is however highly adsorbent and could have a dehydrating effect if ingested in large amounts. Wash out mouth with water, and then give plenty of water to drink. Seek medical attention if irritation or other symptoms develop.
Inhalation:	May cause irritation of mucous membranes and upper airways. Symptoms may include sneezing, coughing and breathing difficulties. Move victim to fresh air and have the victim blow nose to remove excess dust. Ensure airways are clear. If breathing is difficult, a qualified person should give oxygen via a face mask. If irritation develops and persists, seek medical attention. Silicosis may result from excessive inhalation over an extended period.

5. FIRE-FIGHTING MEASURES	
Extinguishing Media:	Diatomaceous Earth is compatible with all extinguishing media. Use extinguishing media suitable for any other materials involved in a fire.
Special Exposure Hazards:	None.
Protective Equipment for Fire Fighting:	Wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing.
Hazardous Combustion Products:	None known.

6. ACCIDENTIAL RELEASE MEASURES	
Personal Precautions:	Use personal protection appropriate to the situation and quantity handled. The use of a dust mask, nitrile gloves and either goggles or safety glasses is recommended. If large amounts of dust are likely to be generated, use a respirator.
Environmental Precautions:	No known adverse environmental effects.
Spillages:	Scoop up spillages and place in a container. Avoid creating dusts. Wear appropriate respiratory protection, safety glasses and overalls as a precaution.

7. HANDLING AND STORAGE	
Handling:	Irritation to the skin or eyes is likely to be of a mechanical nature. No known toxicology due to accidental ingestion. Where dust is generated, the use of a mechanical exhaust ventilation system is recommended.
Storage:	Store in original packs/containers away from oxidising materials.



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Bulgurlu-Libadiye-Üsküdar
İstanbul-Turkey

Tel : 0090.216.520 26 27
GSM : 0090.507.306 52 75
Fax : 0090.216.521 48 53

Web : www.begtugmineral.net
E-Mail : begtugmineral@hotmail.com
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Occupational Exposure Standards:	Respirable Silica: 0.1mg/m ³ TWA CHAN Amorphous Silica, respirable fraction: 2.4mg/m ³ TWA OES Amorphous Silica, total inhalable dust: 6mg/m ³ TWA OES
Respiratory Protection:	The use of a dust mask is recommended. If large amounts of dust are likely to be generated, use a respirator.
Hand Protection:	Nitrile gloves should be worn.
Eye Protection:	Goggles or safety glasses should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Granular or powdered solid
Colour:	Pink
Odour:	Practically odourless
PH:	5.5
Boiling Point (°C):	N/A
Melting Point/Freezing Point (°C):	N/A
Explosion Limits (%):	Not known.
Solubility in Water:	Virtually insoluble
Vapour Pressure:	N/A
Vapour Density (Air=1):	N/A
Density:	Bulk density = XX tonnes/m ³
Flammability:	Not flammable
Specific Gravity:	2

10. STABILITY AND REACTIVITY	
Stability:	Stable
Materials to Avoid:	Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION	
Inhalation:	Silicosis of the lung may result from excessive inhalation over an extended period
Skin and Eye Contact:	Irritation to the skin or eyes is likely to be of a mechanical nature.
Ingestion:	No known toxicology due to accidental ingestion.

12. ECOLOGICAL INFORMATION	
No known adverse environmental effects. Non toxic to aquatic life.	



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13. DISPOSAL CONSIDERATIONS

Product Disposal:	Disposal should be via landfill. Care should be taken to ensure that product is covered to stop any dust particles becoming airborne. It should be noted that contamination may occur during use and it is the responsibility of the user to assess an appropriate disposal method in this situation.
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14. TRANSPORT INFORMATION

Diatomaceous Earth is not a hazardous material for purposes of transportation.
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15. REGULATORY INFORMATION

Risk symbol	None
Hazard Classification	Non-Hazardous
R phrases (risk)	R48 / 20
S phrases (safety)	S22, S38
Precautions	Avoid inhaling dust

16. OTHER INFORMATION

<p>BEG-TUG Industrial Minerals Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate handling of the product by a properly trained person. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.</p> <p>BEG-TUG Industrial Minerals Ltd MAKES NO GUARANTEES OR WARRANTIES, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE INFORMATION SET FORTH HEREIN. ACCORDINGLY, BEG-TUG Industrial Minerals Ltd WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.</p>
