



SAFETY DATA SHEET
DIA-SECTICIDE
(Non-Calcined Diatomaceous Earth Powder)

Revision: 11.06.2013
supersedes all earlier versions

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY	
Trade Name:	Dia-secticide
Usage:	Absorbent.
Supplier:	SX Environmental Supplies Limited
Address:	Unit 4 Airborne Industrial Estate, Leigh on Sea, Essex, SS9 4EX
Phone Number:	00 44 (0)1702 524040

2. 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 crystalline silica (quartz; CAS 14808-60-7). Quartz dust is injurious to the lungs.
Potential Health Effects
Inhalation: Excessive inhalation of <i>respirable</i> crystalline silica (particles up to 10 microns in size) can cause silicosis.
Eye Contact: May cause abrasion of the cornea.
Skin Contact: May cause abrasion to skin.
Ingestion: No known health effect.

3. COMPOSITION/INFORMATION ON INGREDIENTS	
A natural amorphous silica: SiO ₂ with minor amounts of other elements. Typical mineralogical composition: 98% Diatomaceous Earth, 2% Quartz.	
CAS No	61790-53-2

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.

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.

11. TOXICOLOGICAL INFORMATION

Inhalation:	Silicosis of the lung may result from excessive inhalation of <i>respirable</i> (up to 10 microns in size) crystalline silica 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.

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.

15. REGULATORY INFORMATION

Risk & Safety:	Not classified as hazardous under the CHIP Regulations 2002 Not classified as hazardous according to EC/2001/58 & EEC/67/548
Other Regulations:	Health & Safety At Work Act 1974; Control of Substances Hazardous to Health Regulations 2004 as amended; Environmental Protection Act 1990; EC Safety Data Sheet Directive EC/91/55.

16. OTHER INFORMATION

SX Environmental Supplies 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.

SX ENVIRONMENTAL SUPPLIES LTD MAKES NO GUARANTEES OR WARRANTIES, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE INFORMATION SET FORTH HEREIN. ACCORDINGLY, NATURAL RUSSIA LTD WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

Special Exposure Hazards:	None known.
Protective Equipment for Fire Fighting:	Wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing.
Hazardous Combustion Products:	None.

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. When used to absorb a hazardous substance, handle as per that substance.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit (OEL):	Respirable Silica (up to 10 microns): 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:	Powdered solid
Colour:	Grey
Odour:	Practically odourless
PH:	5.5
Explosion Limits (%):	No known explosion hazards
Solubility in Water:	Virtually insoluble
Bulk Density:	220 – 270 g/litre.
Flammability:	Not flammable
Specific Gravity:	2

10. STABILITY AND REACTIVITY

Stability:	Stable.
Materials to Avoid:	Strong oxidising agents.