

Safety Data Sheet

Diatomaceous Earth

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1 IDENTIFICATION OF PRODUCT

Product Name: Diatomaceous Earth
Other Names: De Powder

2 COMPOSITION

Ingredients	CAS no.	Einecs No.	R Phrases
Diatomaceous Earth	68855-54-9	N/K	R20-40

3 HAZARD IDENTIFICATION

Contains Crystalline and Amorphous Silica which is harmful by inhalation and if inhaled may cause irreversible effects.

4 FIRST AID

Skin Contact: Flush immediately with clean water then wash with soap and water and rinse.

Eye Contact: Flush immediately with clean running water for 15mins and if irritation persists seek medical attention.

Ingestion: Wash out mouth with water and give water or milk to drink to dilute. Obtain medical attention. Do not induce vomiting.

Inhalation: Irritation of upper respiratory tract may occur. Therefore remove to fresh air and if recovery not rapid seek medical attention.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media: CO₂, Foam, Water Fog, Chemical Powder
Thermal decomposition products: SiO₂ only
Special protective equipment: Self contained breathing apparatus

6 ACCIDENTAL RELEASE MEASURES

Wear appropriate respiratory protection equipment for dusts. Do not allow material to contaminate surface water.
If sweeping is necessary wet product spillage with water spray to avoid dust. Contain avoiding raising dust and transfer to suitable plastic container for re-use or disposal.

7 HANDLING AND STORAGE

Storage: Keep product in well ventilated area.

Handling: Avoid unnecessary contact with product, avoid raising dust. Adopt good standards of industrial hygiene and safe working practice. Wear suitable protective clothing gloves and face/eye protection. Local exhaust ventilation may be required in dust environments.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Long Term Exposure Limit 0.3 mg/m³, respirable dust

PPE	Respiratory:	Type approved RPE for dusts
	Hand:	Rubber/PVC Gloves
	Eye:	Safety Goggles
	Skin and Body:	Suitable industrial work wear

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off white powder
Relative Density:	2.3
Ph:	N/A
Boiling Point:	N/A
Freezing Point:	N/A
Flash Point:	N/A
Vapour Pressure (mm Hg):	N/A
Solubility/Miscibility with water:	Insoluble
% Volatile:	N/A

10 STABILITY AND REACTIVITY

Stability:	Stable
Known hazardous reaction:	N/K
Materials to avoid:	Hydrofluoric Acid

11 TOXICOLOGICAL INFORMATION

Long Term Exposure to excessive dust concentrations may cause pulmonary disease (Silicosis). Pre-Existing upper respiratory and lung diseases such as bronchitis, emphysema may be aggravated

LD 50:	Oral Rat Greater than 5g/kg
Eyes:	Eye contact may cause irritation
Skin & Ingestion:	Low risk

12 ECOLOGICAL INFORMATION

Mobility:	Insoluble in aqueous systems
Aquatic Toxicity:	Thought to be of low order.
Degradability:	N/K

13 DISPOSAL CONSIDERATIONS

Substance: Via an authorised waste disposal contractor to an approved waste disposal site.
Container: As substance

14 TRANSPORT INFORMATION

UN N°: Not Classified
Primary Hazard: Not Classified
Packing Group: Not Classified
Hazard ID N°: Not Classified
Class: Not Classified
ADR/RID Item N°: Not Classified
Hazchem: Not Classified

15 REGULATORY INFORMATION

Label Name: De Powder
Symbols: Harmful

Risk Phrases: R20 Harmful by inhalation.
R40 Possible risk of irreversible effects.

Safety Phrases: S2/1 Keep locked up and out of reach of children.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

16 OTHER INFORMATION

Recommended uses and restrictions: No further information.

Further information Sources: No further information.

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list, EH40, ACIGH tables.

The data in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1997, as amended, for the purpose of protecting the health and safety of industrial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This data sheet does not constitute a users assessment of the workplace risk as required by the Health and Safety at Work Act, COSHH, Management of Health and Safety at Work or other health and safety legislation.