

MATERIAL SAFETY DATA SHEET**Section I: Manufacturer**

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Material Name: OptiSorb Oil Absorbent

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Chemical Name: Kieselguhr, Diatomite**Section II: Hazardous Ingredients/Identity Information**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Approx. %</u>	<u>Exposure Limit</u>
Diatomaceous Earth	61790-53-2	99.00	10mg/m ₃ (total dust) 3mg/m ₃ (respirable dust)
Crystalline Silica (Quartz)	14808-60-7	<1	PEL: 5mg/m ₃ % SiO ₂ +2TWA TLV: 0.1mg/m ₃ TWA
Cristobolite	14464-46-1	<1	PEL: 5mg/m ₃ % SiO ₂ +2TWA TLV: 0.05mg/m ₃ TWA

Section III: Physical / Chemical Characteristics

Boiling Point	N/A	Specific Gravity (Water=1)	2.22
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	<2.0%	Appearance & Odor:	Tan to white, odorless, granular

Section IV: Fire & Explosion Hazard Data

Flash Point	N/A	Flammable Limits	N/A
Extinguishing Media	N/A	LEL	N/A
		UEL	N/A
Special Fire Fighting Procedures:	None	Unusual Fire & Explosion Hazards:	None

Section V: Reactivity Data

Stability: Stable; Hazardous Polymerization: Will not occur; Hazardous decomposition products: None

Incompatibility: Hydrofluoric acid may react violently with the product.

MATERIAL SAFETY DATA SHEET**Section VI: Health Hazard Data**

Routes of Entry: Inhalation? Yes Skin? No Ingestion? No

Health Hazards: Chronic: Years of exposure above the TWA/PEL may cause silicosis.
(Acute & Chronic) IARC has classified crystalline silica as a probable carcinogen.

Carcinogenic: NTP? Respirable IARC Monographs? 68 OSHA Regulated? Yes

Signs & Symptoms of Exposure: Cough and shortness of breath

Medical Conditions Aggravated by Exposure: Asthma and other preexisting respiratory and lung diseases.

Emergency & First Aid Procedures: If symptoms occur, remove to fresh air.

Section VII: Precautions for Safe Handling & Use

In Case of Release or Spill: Sweep up and reuse or dispose in sanitary landfill.

Storing & Handling Precautions: None Other Precautions: None

Section VIII: Control Measures

8.1 Engineering Controls: Control dust to within the ACGIH-TLV with local ventilation.

8.2 Occupational exposure limits: EXPOSURE LIMITS TABLE

ACGIH TLV

Diatomaceous Earth < 1% crystalline silica	10 mg/m ₃ (total dust)
	3 mg/m ₃ (respirable dust)

8.3 Personal Protective Equipment:

Respiratory: Respirators fitted with filters certified to NIOSH (US) standard 42CFR84 under series N95 should be worn when airborne dust is present.

Skin: Not normally necessary

Eye Protection: Safety glasses

Face: Not normally necessary

Section IX: Other Information

NFPA Rating: Health=1, Fire=0, Reactivity=0 HMIS Rating: Health=1, Fire=0, Reactivity=0

TSCA: All product components are listed on the EPA TSCA or exempt from notification requirements.

Canadian DSL: All product components are listed on the Canadian Domestic Substance List or exempt from notification requirements.

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