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PHOENIX PRODUCT CO..  
55 CONTAINER DR  
TERRYVILLE, CT 06786  
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PRODUCT NAME: DIATOMACEOUS EARTH

MATERIAL  
SAFETY DATA  
SHEET  
2/25/02

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**SECTION I - IDENTIFICATION**

**CHEMICAL NAME & SYNONYMS:** Silica

**CHEMICAL FAMILY:** N/A

**FORMULA:** Predominantly SiO<sub>2</sub>

**TRADE NAME:** Diatomaceous Earth

**DESCRIPTION:** White to off white powder; odorless.

**CAS NO.** 68855-54-9  
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**SECTION II - PHYSICAL DATA**

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**% Volatile by Volume:** N/A

**Solubility in water:** Slight

**Melting Point:** N/A

**Specific Gravity (H<sub>2</sub>O=1):** 2.35

**Vapor Density:** N/A

**Evaporation Rate:** N/A  
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**SECTION III - HAZARDOUS INGREDIENTS**

MATERIAL	CAS NO.	% BY WEIGHT	PERMISSIBLE EXPOSURE LIMIT
Flux Calcined	68855-54-9	100	6.069 mg/m <sup>3</sup> Respirable mass

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** N/A

**Flammable Limits in Air % By Volume:** N/A

**Extinguishing Media:** N/A

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None  
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**Autoignition Temp:** N/A

**SECTION V - HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE:**

**Inhalation:** Primary route of entry. TARGET ORGAN: Lungs. May cause coughing, irritation of nose and throat and congestion may occur.

**Skin:** N/A

**Eye:** Temporary irritation and/or inflammation.

**Ingestion:** Non hazardous.  
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**SECTION VI - EMERGENCY AND FIRST AID PROCEDURE**

**INHALATION:** Remove to fresh air, away from dusty area. Drink water to clear throat and blow nose to evacuate dust. Consult a physician if irritation persists.

**SKIN:** Wash off in flowing water or shower.

**EYE:** Do not rub eyes. Flush with water for at least 15 minutes. Consult a physician if irritation persists.

**INGESTION:** N/A  
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**SECTION VII - REACTIVITY DATA**

**Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility (materials to avoid):** Hydrofluoric acid

**Hazardous Decomposition:** Reacts with Hydrofluoric acid to form toxic silicon tetrafluoride gas.

**Hazardous Polymerization:** Will not occur.  
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CHEMICAL NAME: Silica

TRADE NAME: Diatomaceous Earth

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#### SECTION VIII - SPILL, LEAKAGE & DISPOSAL PROCEDURES

**Steps to take if material leaks or spills:** Vacuum clean or wet sweep; avoid dusting; use a dust depressant when sweeping.

**Waste disposal method:** This is Not a hazardous material. Place waste and spillage in closed containers. Dispose of in approved landfill. Must comply with all Federal, State and Local regulations.

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#### SECTION IX - SPECIAL PROTECTION DATA

**Ventilation:** Local Exhaust: keep dust levels below PEL

**Eye Protection:** Wear safety glasses. Do Not wear contact lenses while handling this product.

**Respiratory Protection:** Use an approved NIOSH mist respirator.

**Protective Gloves:** Not required. May use gloves to protect overly sensitive skin.

**Other Equipment:** Eye wash station should be located near work area.

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#### SECTION X - SPECIAL PRECAUTIONS DATA

**Handling and Storage:** Store in dry place. Repair all broken bags immediately. Avoid creating dust. Maintain good housekeeping practices.

**Other:** None.

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#### SECTION XI - TRANSPORTATION INFORMATION

This material is not a hazardous material and is not regulated by the D.O.T.

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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