Material Safety Data Sheet
Infusorial Earth

MSDS# 11335

Section 1 - Chemical Product and Company Identification

MSDS Name: Infusorial Earth
Catalog Numbers: C211-500, C212-25LB, C212-500, C212-50LB, I22-3
Synonyms: Diatomaceous earth; Diatomaceous silica; Siliceous earth; Kieselguhr is a soft siliceous solid composed of skeletons of small prehistoric aquatic plants. Contains primarily silica.
Company Identification: Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
For information in the US, call: 201-796-7100
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#: 61790-53-2
Chemical Name: Infusorial Earth
%: > 99
EINECS#: unlisted

Hazard Symbols: None listed
Risk Phrases: None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Warning! Causes respiratory tract irritation. May cause skin irritation. Contains trace amounts of quartz which may lead to fibrotic lung disease, silicosis or cancer. Dust may cause mechanical eye irritation. Target Organs: Lungs.
Potential Health Effects
Eye: Dust may cause mechanical irritation.
Skin: May cause skin irritation.
Ingestion: May cause irritation of the digestive tract.
Inhalation: Contains crystalline silica which may lead to respiratory abnormalities and silicosis. Causes irritation of the mucous membrane and upper respiratory tract. Chronic exposure may cause lung damage. May cause silicosis-disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the lungs, dry cough, shortness of breath, emphysema, decreased chest expansion and increased susceptibility to tuberculosis.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid if irritation or symptoms occur.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Treat symptomatically and supportively. Persons with pre-existing upper respiratory and lung disease may
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use extinguishing media most appropriate for the surrounding fire.

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Wash thoroughly after handling. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid breathing dust, mist, or vapor. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

OSHA Vacated PELs: Infusorial Earth: 6 mg/m3 TWA

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Wear appropriate gloves to prevent skin exposure.

Wear appropriate protective clothing to prevent skin exposure.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Physical State:** Solid

**Color:** slightly gray

**Odor:** odorless

**pH:** 9-10

**Vapor Pressure:** 10 mm Hg @ 1710

**Vapor Density:** Not available
Evaporation Rate: Not applicable.
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: Not available
Decomposition Temperature: Not available
Solubility in water: insoluble
Specific Gravity/Density:
Molecular Formula:
Molecular Weight:

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, dust generation, excess heat.
Incompatibilities with Other Materials Not available
Hazardous Decomposition Products Oxides of silicon.
Hazardous Polymerization Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 61790-53-2: VV7311000
LD50/LC50: RTECS: Not available.
Carcinogenicity: Infusorial Earth - IARC: Group 3 (not classifiable)
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: Carp: LC50 > 10000 mg/L; 72 Hr; Unspecified

Section 13 - Disposal Considerations
Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols: Not available
Risk Phrases:
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 61790-53-2: Not available

Canada
CAS# 61790-53-2 is listed on Canada's NDSL List
Canadian WHMIS Classifications: Not controlled.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 61790-53-2 is not listed on Canada's Ingredient Disclosure List.

US Federal
TSCA

CAS# 61790-53-2 is listed on the TSCA Inventory.

Section 16 - Other Information
MSDS Creation Date: 6/03/1999
Revision #6 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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