



AUSTRALIAN SUSTAINABLE AGRICULTURE

Material Safety Data

Company: Australian Sustainable Agriculture
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IDENTIFICATION

Product Name: Diatomaceous Earth

Other Names: Diatomaceous Earth, DE, Diatomite, Silicon Dioxide and Amorphous Silica, Natural Silica

USE

Major Recommended Use: Agricultural Use, Soil Amendment, Animal Supplement, insecticide

PHYSICAL DESCRIPTION/PROPERTIES

Appearance: Whitish in colour, No Odour, Very fine powder/dust

Boiling Point/Melting Point: NA

Vapour Pressure: NA

Specific Gravity: TBA

Flashpoint: Non-Flammable

Flammability Limits: Non-Flammable

Solubility in Water: 8%

OTHER PROPERTIES

Reactivity with Common Substances: Crystalline Silica reacts with Hydrofluoric Acid

Bulk Density: .38 to .60

pH: 6 – 7

INGREDIENTS

Chemical Name: Diatomaceous Earth

CAS Number: 61790-53-2 and 7631-86-9

Chemical Class: Inorganic

Proportion: 98%

Synonyms: Diatomaceous Earth, DE, Diatomite, Silicon Dioxide and Amorphous Silica

Chemical Name: Crystalline Silica present as quartz

CAS Number: 14808-60-7

Chemical Class: Inorganic

Proportion: <2%

Synonyms:

HEALTH HAZARD INFORMATION

Health Effects

Acute (Short Term Exposure)

Swallowed: Non toxic will not cause poisoning but consuming in large quantities would not be recommended,

Eye: Moderate Eye irritation

Skin: Mild irritant, drying to skin, will not be absorbed

Inhaled: Avoid breathing the dust, exposure could aggravate lungs particularly those with lung problems/sensitivity or asthma

First Aid: Flush eyes with water, wash from skin – bath if necessary

If exposure to dust is considerably high and large amounts have been inhaled causing respiratory irritation and difficulty breathing it is recommended that you avoid smoking, remove yourself from exposure: enter a dust free environment and contact your doctor.

First Aid Facilities: Clean facility without causing dust, vacuum damp product or hose with water

Chronic (Long Term Exposure)

Swallowed: Non Toxic, no known effect

Eye: No known effect

Skin: No known effect

Inhaled: Long term exposure could cause Silicosis though this is relevant to the Crystalline Silica content only, which is present at less than 2%

PRECAUTIONS FOR USE

Engineering Controls: Dust extraction in factory, general use – avoid creating dust

Personal Protection (PPE): Long Sleeve Shirts and Long Pants, Shoes and Socks, Dust Respirator

Flammability: Non-Flammable

Other Precautions: Avoid using the Dust on windy, or extremely windy days

SAFE HANDLING INFORMATION

Storage and Transport: None Advised

Spills and Disposal: None Advised

Fire/Explosion Hazard: None Advised

CONTACT POINT

Contact: (07) 4097 0006

REFERENCE USED

Pan Chemical Information

US EPA

US FDA