



MATERIAL SAFETY DATA SHEET

uPgrade

DICALCIC PHOSPHATE

Product Code: UPGRADE

Product Name: DICALCIUM PHOSPHATE

Chemical Family: Fertiliser

Manufacturer Name and Address:

Telephone Numbers:

Dates:

TerraCare Fertilisers Ltd
83 Jack Russell Drive
Te Awamutu

0800 DICALCIC (342 252)

Date Created: 1 October
2013

Composition/Information on ingredients

DICALCIUM PHOSPHATE

Hazardous Components (Chemical Name)

1. Dicalcium Phosphate – 26.8%
2. Tricalcium phosphate – 13.7%
3. Gypsum – 33.2%
4. Calcium Carbonate – 26.3%

OSHA PEL

1. No data.
2. No data.

ACGIH TLV

1. No data.
2. No data.

Hazardous Identification

DICALCIUM PHOSPHATE

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? Yes, Skin? Yes, Eyes? Yes, Ingestion? Yes

Potential Health Effects (Acute and Chronic)

Short Term: May cause irritation of the skin, eyes, nose or throat.

Long Term: As with any inorganic dust, long-term inhalation of dust containing higher than permissible exposure limits may cause delayed lung injury. However, this product is slowly water soluble, and is not likely to accumulate in lungs.

Carcinogenicity/Other Information

No data available.

Recommended Exposure Limits

None established.

LD 50 / LC 50

N/A

Signs and Symptoms of Exposure

None known.

Medical Conditions Generally Aggravated by Exposure

None known.

First Aid Measures

DICALCIUM PHOSPHATE

Emergency and First Aid Procedures

IF SWALLOWED: Do NOT induce vomiting. Drink two glasses of water and contact physician or Poison Control Center.

IF INHALED: Remove patient to fresh air. Give oxygen if indicated.

IF IN EYES: Flush with water. See a physician if irritation persists.

IF ON SKIN: Wash with soap and water.

Note to Physician

No data available.

Fire Fighting Measures

DICALCIUM PHOSPHATE

Flash Pt: N.A.

Method Used: No data.

Explosive Limits:

LEL: N/A

UEL: N/A

Extinguishing Media

Not Applicable. Non-Flammable.

Fire Fighting Instructions

None.

Flammable Properties and Hazards

None.

Hazardous Combustion Products

No data available.

Accidental Release Measures

DICALCIUM PHOSPHATE

Steps To Be Taken In Case Material Is Released Or Spilled

Sweep into suitable containers, salvage if possible.

Handling and Storage

DICALCIUM PHOSPHATE

Precautions To Be Taken In Handling

Avoid getting wet.

Precautions To Be Taken In Storing

The driest conditions that are possible.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. Not for human consumption.

Exposure Controls/Personal Protection

DICALCIUM PHOSPHATE

Protective Equipment Summary – Hazard Label Information:

Respiratory Equipment (Specify Type)

If dust exceeds exposure levels.

Eye Protection

Goggles with side shields.

Protective Gloves

Optional

Other Protective Clothing

Optional

Engineering Controls (Ventilation etc.)

Local Exhaust: Sufficient

Special:

Mechanical (Gen):

Other:

Work/Hygienic/Maintenance Practices

Wash hands before eating, smoking or using restroom.

Physical and Chemical Properties

DICALCIUM PHOSPHATE

Solubility Notes

Slightly

Physical States: Gas, Liquid, Solid

Boiling Point: N/A

Melting Point: N/A

Specific Gravity (Water = 1): 2.3 at 24.0 C

Density: No data.

Vapour Pressure (vs. Air or mm Hg): N/A

Vapour Density (vs. Air = 1): N/A

Evaporation Rate (vs. Butyl Acetate = 1): N/A

Solubility in Water: No data.

Percent Volatile: N/A

Saturated Vapour Concentration: No data.

Viscosity: No data.

pH: 3.4 – 3.7

Appearance and Odour

White powder, odourless.

Stability and Reactivity

DICALCIUM PHOSPHATE

Stability: Unstable Stable

Conditions To Avoid – Instability

None known.

Incompatibility – Materials To Avoid

Strong acids.

Hazardous Decomposition Or Byproducts

None known.

Hazardous Polymerisation: Will occur Will not occur

Conditions To Avoid – Hazardous Polymerisation

Will not occur.

Toxicological Information

DICALCIUM PHOSPHATE

No data available.

Ecological Information

DICALCIUM PHOSPHATE

No data available.

Disposal Considerations

DICALCIUM PHOSPHATE

Waste Disposal Method

Contaminated material can generally be disposed of in accordance with applicable Federal, State and Local regulations.

Transport Information

DICALCIUM PHOSPHATE

DOT Proper Shipping Name

No data available.

DOT Hazard Label: NONE

UN/NA Number: No data

Additional Transport Information

No data available.

Regulatory Information

DICALCIUM PHOSPHATE

No data available.