

Material Safety Data Sheet

pH BALANCE

Date of preparation: 26th June 2014

Section 1: Chemical Product and Company Identification

Product Name/Chemical Name:	pH Balance
Chemical Formula:	Not applicable to raw material mix Blend of ground, natural Calcium Carbonate with Calcium Hydroxide (Hydrated Lime)
General use:	pH control in mushroom casing
Manufacturer:	Nutrigain Ltd, Unit 5 Gaw End Lane Macclesfield, Cheshire, SK11 0LB, UK Telephone: +44-1625 860945 Email: sales@nutrigain.com Emergency telephone number +44-7721639959

Section 2: Hazards Identification

Classification under CHIP: This product has no classification under CHIP.

Hazard symbols: No significant hazard

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/Information on ingredients

Chemical identity:	Calcium Carbonate 90% Calcium Hydroxide 10%
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Section 4: First Aid Measures

Skin contact: Wash immediately with plenty of soap and water. There may be mild irritation at the site of contact

Eye contact: React quickly, bathe eye with running water for 15 minutes. Consult a doctor. There may be irritation and redness.

Ingestion: Wash mouth out with water. No symptoms

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Irrigate nose and throat. Consult a doctor.

Exposure may cause coughing or wheezing in high concentration. Prolonged or repeated contact with skin may result in severe irritation or dermatitis.

Section 5: Fire-Fighting Measures

All types of fire extinguisher are suitable.
Firefighters wear protective clothing and NIOSH approved respirator;
carbon oxides and potassium oxides

Section 6: Accidental Release Measures

Spill procedure: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Containment is best accomplished by rapid cleanup. Do not create dust.
Cleanup: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Keep spillage's dry. Flush areas with water to remove final traces. Dispose of all wastes in accordance with Federal, State and Local regulations.

Section 7: Handling and Storage

Handling Precautions: Handling requirements: Ensure there is sufficient ventilation of the area. Avoid inhalation of high concentration of dust
Storage Requirements: Store in cool, well-ventilated area. Keep container tightly closed

Section 8: Exposure Controls / Personal Protection

Control parameters

Workplace exposure limits:			Respirable dust	
State	8 hour TWA	15 min STEL	8 hour TWA	15 min STEL
UK	-	-	5mg/m ³	

Hazardous ingredients:
CALCIUM HYDROXIDE

Workplace exposure limits:

Respirable dust

State	Respirable dust			
	8 hour TWA	15 min STEL	8 hour TWA	15 min STEL
UK	-	-	5mg/m ³	-

Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area
Respiratory protections:	Respiratory protective device with particle filter
Hand protection:	Protection gloves
Eye protection:	Safety glasses. Ensure eye bath is to hand
Skin protection:	Protective clothing. Long sleeved overalls, close fittings at openings

Section 9: Physical and Chemical Properties

Physical State:	Fine dry powder.
Appearance and Odor:	White. Faint earthy smell
Odor Threshold:	Not determined.
Vapor Density: (Air=1):	1.0
Density:	2.85g/cm ³ (20°)
Specific Gravity (H ₂ O=1, at 4°C):	Not determined
PH:	9-10
Water solubility:	slightly soluble
Other solubility's:	Part.coeff.n-octanol/water: <1
Viscosity:	Not applicable.
Refractive index:	Not determined.
Surface Tension:	Not applicable.
% Volatile:	Not determined.
Evaporation Rate:	Not applicable.
Flammability	Not applicable
Melting point/range °:	1265°C (102 bar)
Vapour pressure:	Negligible
Flash point °C:	Not applicable
Auto flammability °C:	Not auto-flammable

Section 10: Stability and Reactivity

Reactivity:	Stable under recommended transport or storage conditions
Chemical stability:	Stable under normal conditions
Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below
Materials to avoid:	Acids

Section 11: Toxicological Information

Eye Effects:	There may be irritation and redness
Skin Effects:	There may be mild irritation at the site of contact
Inhalation Effects:	Exposure may cause coughing or wheezing
Ingestion:	No symptoms

Section 12: Ecological Information

Persistence and degradability:	Non biodegradable
Bio accumulative potential:	No data available
Mobility in soil:	Non-volatile
PBT identification:	This substance is not identified as a PBT substance.

Section 13: Disposal Considerations

Disposal:	Contact your local authorities or a licensed contractor for detailed recommendations. Follow applicable Federal State and local regulations.
Disposal operations:	Deposit into or on to lands (e.g. Landfill, etc)
Disposal of packaging:	Dispose of as normal industrial waste

Section 14: Transport Information

Transport Class: This product is not classified for transport

Section 15: Regulatory Information

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

Section 16 : Other Information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

Disclaimer:

The information contained in this MSDS was, to the best of our knowledge, accurate and relevant at the time of preparation. Both the manufacturer and distributor cannot anticipate all conditions of handling and use of this product. It is the responsibility of the user to provide a safe work place, using the health and safety information provided herein as a guide. Therefore, Nutrigain Ltd accept no responsibility for results obtained by any use of this information, or with respect to the safety and suitability of the product either alone or in combination with other products.