



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product	Garden Lime
Usage	Inorganic fertiliser/ Plant nutrient
Supplier	Westland Horticulture Ltd 14 Granville Industrial Estate Granville Road Dungannon County Tyrone BT70 1NJ
Email	customerservice@WestlandHorticulture.com
Emergency Tel	01480 443789 (UK)

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture According to Regulation (EC) No 1272/2008:

Not classified

Classification of the Substance or Mixture According to Directive 67/548/EEC or Directive 1999/45/EC:

Not classified

Label Elements According to Regulation (EC) No 1272/2008:

Hazard Pictograms	None
Signal Word	None
Hazard Statements	Not applicable
Precautionary Statements	Not applicable
Other hazards	Not applicable



3. COMPOSITION/INFORMATION ON INGREDIENTS

Description Mixture

Calcium carbonate (CAS 1317-65-3) and dolomite (CAS 16389-88-1) mixtures are not classified as hazardous compounds

4. FIRST AID MEASURES

General Advice: Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or physician, or going for treatment.

Inhalation: Move person to fresh air.
Keep patient warm and at rest.
Get medical attention if symptoms persist

Skin Contact: Wash off with soap and plenty of water.
Take off contaminated clothes and shoes

Eye Contact: Rinse cautiously with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses and continue flushing.

Ingestion: Rinse out mouth with water and drink afterwards plenty of water
Do not give milk or alcoholic beverages

Most important symptoms and effects: None known

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Suitable extinguishing media for the surrounding fire should be used

Specific Hazards Arising From the Substance or Mixture:

No hazardous combustion products are known

Special Protective Equipment for Fire Fighters:

Wear full protective clothing and self-contained respiratory apparatus.

Further Information: Standard procedure for chemical fires



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid formation / breathing of dust

Ensure suitable personal protection (including respiratory protection) during removal of spillages

Environmental Precautions:

No special environment precautions required

Methods and Materials for Containment and Cleaning Up:

Sweep up and shovel into suitable containers for disposal according to local / national regulations

Reference to other sections: Not applicable

7. HANDLING AND STORAGE

Handling:

- Prevent dust formation and inhalation
- Provide appropriate exhaust ventilation at places where dust is formed
- No special handling advice required
- General industrial hygiene practice

Storage:

- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Keep away from acids

Specific End Uses:

Use as fertiliser according to the instruction on the label

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Ingredient	Work Exposure Limit (WEL)	
	Long-term Exposure Limit (8-hr TWA reference period) Total Inhalable	Long-term Exposure Limit (8-hr TWA reference period) Respirable
Natural Calcium Carbonate	10 mg/m ³	4 mg/m ³



Exposure Controls

- Engineering Measures:** Avoid high dust concentration and provide ventilation where necessary to ensure that the occupational exposure limit is not exceeded
- Protective Measures:** The use of technical measures should always have priority over the use of personal protective equipment
When selecting personal protective equipment, seek appropriate professional advice
Personal protective equipment should be certified to appropriate standards
- Respiratory Protection:** Use suitable dust mask with filter type P2 if dust concentration is high
- Hand Protection:** Wear protective gloves for prolonged or repeated contact
- Eye Protection:** Wear safety glasses
- Skin and Body Protection:** Protecting work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** White to beige prills
Odour: Characteristic

Other Properties:

	Value	Temperature
pH (100g/l)	8.5 – 9.5	20 °C
Bulk density	1.25 g/ml	
Flash point	Does not flash	
Water solubility	0.014 g/l	20 °C
Decomposition temperature	>600 °C	

Flammability: Not flammable, the product does not ignite and does not sustain combustion

Explosive properties: Not explosive

10. STABILITY AND REACTIVITY

- Chemical Stability:** Stable under normal conditions of storage, handling and use
- Hazardous Reactions:** Reacts with acids to produce carbon dioxide. Danger of suffocation in closed spaces as CO₂ displaces oxygen in the air.
- Hazardous Decomposition:** No data available
- Conditions to Avoid:** No data available
- Incompatible Materials:** No data available



11. TOXICOLOGICAL INFORMATION

- Acute Oral Toxicity:** LD50 Median lethal dose rat, >5000 mg/kg
- Skin Irritation:** Not a skin irritant
- Serious Eye Irritation:** Not an eye irritant
- Respiratory or Skin Sensitization:** No data available. Component dolomite is not sensitizing
- Long Term Toxicity:** No data available
- STOT- repeated exposure:** No data available

12. ECOLOGICAL INFORMATION

The mixture has not been tested. The mixture is not classified for environmental hazard based on formulation components

Ecotoxicity: Information on ingredients below

- **Toxicity To Fish:** Dolomite: No acute toxicity to fish
Natural calcium carbonate: LC50 *Oncorhynchus mykiss* (rainbow trout), >10000 mg/l, 96h
- **Toxicity To Aquatic Invertebrates:**
Dolomite: No acute toxicity
Natural calcium carbonate: EC50 *Daphnia magna* (water flea), >1000 mg/l, 48h
- **Toxicity To Aquatic Plants:**
Dolomite: No acute toxicity
Natural calcium carbonate: EC50 *Desmodesmus subspicatus* (green algae), >200 mg/l, 72h

Persistence and Degradability: Not applicable

Bioaccumulative Potential: Not applicable

Mobility in Soil: No data available

PBT and vPvB assessment: Not classified as PBT or vPvB

Other Data: These minerals are a major part of the rocks of the Earth's surface. They are dissolved in a natural state and indispensable part of natural waters. Negative effects on the environment therefore should be excluded
These minerals are not biodegradable



13. DISPOSAL CONSIDERATIONS

- Product:** Check if agriculture use is possible. Dispose of by use on farm as a fertiliser, by spreading thinly on open ground
Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.
- Contaminated Packaging:** Empty remaining contents.
Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations

14. TRANSPORT INFORMATION

- Land Transport (ADR /RID)** Not dangerous goods
- Maritime Transport (IMDG)** Not dangerous goods
- Air Transport (IATA-DGR)** Not dangerous goods

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance of mixture:

This mixture is classified in accordance with Directive 1999/45/EC, regulation 1272/2008 and the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations

Chemical Safety Assessment: Information not available

16. OTHER INFORMATION

Recommended uses and restrictions: Follow the instructions

Abbreviations and Acronyms

ADR	International Carriage of Dangerous Goods by Road
CAS No	Chemicals Abstract Service Registry Number
EC No	European Community Number for chemicals within EU regulations
EC50	Half Maximal Effective Concentration
IATA-DGR	Dangerous Goods Regulations by the International Air Transport Association
IMDG Code	International Maritime Dangerous Goods Code
PBT	Persistent, Bioaccumulative and Toxic Properties
Regulation (EC) No 1272/2008	Classification, Labelling and Packaging
RID	International Transport of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative Properties



Further information

Before using this product, ensure that you read and understand its label

MSDS information:

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, 1272/2008 and Annex I of the REACH regulation 453/2010.

This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Westland Horticulture Limited does not accept responsibility for damage caused by incorrect use of this information.

Training and related advice:

This document contains important information to ensure the safe storage, handling and use of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to the end user and that all necessary training to enable the product to be used correctly has been given.

For further information please contact Westland Horticulture Ltd, 14 Granville Industrial Estate, Granville Road, Dungannon, County Tyrone, BT70 1NJ.