



MATERIAL SAFETY DATA SHEET

WONDER DOLOMITIC LIME

Date Issued: May 2019

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Revision No.: 2

Print Date: 1/7/19

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: WONDER DOLOMITIC LIME

SUPPLIER: EFEKTO

PO BOX 652147

BENMORE

2010

TEL No. 0861 333 586

EMERGENCY TELEPHONE NUMBERS:

SPILLAGES: 082 446 8946

POISONINGS: 086 199 9071

Poison Information Helpline 0861 555 777 (all hours).

Griffon Poison Centre 082 446 8946

Use: To adjust pH in soils.

2. HAZARDS IDENTIFICATION

- May cause irritation.

Likely routes of exposure:

Skin and eye contact, ingestion and inhalation.

Skin Contact: Mildly irritating to skin, if exposed to frequent and prolonged periods. No effect should occur if the product is promptly washed off.

Eye Contact: Dust is abrasive to eyes. Direct contact with the eyes may result in pain and redness.

Ingestion: Small quantities are unlikely to cause toxic effect. Ingesting of very large amounts may result in internal obstruction/constipation or discomfort.

Inhalation: Inhalation of dust may irritate nose, throat, and lungs.

Long term effects: No adverse effects are known.

Symbols: None

UN No.: Not regulated.

Risk Phrase: R22; R36/37

3. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredients:

Active ingredients.	CAS No.:	EC No.:
Dolomitic Limestone	16389-88-1	240-440-02



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Chemical Name: Calcium magnesium dicarbonate (IUPAC)
Chemical Family: Fertilizer
Chemical Formula: C_2CaMgO_6
NIOSH/RTECS No.: Not available.

4. FIRST-AID MEASURES

Fertilizers are basically harmless products when handled correctly.

Skin Contact:

Wash the affected area with soap and water.

Eye Contact:

Flush/irrigate eyes with copious amounts of water for at least 10 minutes. Obtain medical attention if eye irritation persists.

Ingestion:

Do not induce vomiting. Give water or milk to drink.

Obtain medical attention if more than a small quantity has been swallowed or when relevant symptoms occur after swallowing.

Inhalation:

Remove from source of exposure. Obtain medical advice if ill effects occur.

Advice to physician: No antidote. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing agents:

Extinguish small fires with water, carbon dioxide, dry powder, or alcohol-resistant foam.

Firefighting:

Remove containers from fire area if possible. Contain fire control agents for later disposal. Use a recommended extinguishing agent. Avoid inhaling hazardous vapours. Keep upwind.

Hazardous Decomposition Products: Dolomitic hydrated lime will decompose to produce calcium oxide, magnesium oxide, and water

Personal protective equipment:

Fire may produce irritating or poisonous vapours, mists or other products of combustion. Fire fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spills:

Spills are best cleaned up by a vacuum device to avoid generating airborne dust, and place in a clean, labelled open container for safe disposal.

Depending on the degree and nature of contamination, dispose of by use as a fertilizer or to an authorised waste facility.

Take care to avoid the contamination of watercourses and drains and inform the appropriate authority in case of accidental contamination of watercourses.

7. HANDLING AND STORAGE



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Handling:

Avoid excessive generation of dust. Avoid unnecessary exposure to the atmosphere to prevent moisture pick-up. Avoid contact with eyes. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet

Storage:

Keep product in a dry place. Keep containers tightly closed, in a well-ventilated place. Store away from food, drink and animal feeding stuffs. Keep away from children and unauthorised adults. Adhere to local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:

According to Treshold Limit Value of nuisance dust: 10 mg/m³ total dust; 5 mg/m³ respirable dust.

Engineering controls: Use in a well ventilated area. Working in the open air and external openings (such as doors and \windows in buildings) generally provides adequate ventilation. Local mechanical ventilation or local dust extraction may be used, if necessary, to control airborne dust levels.

Precautionary and engineering measures:

Avoid contact and provide ventilation where necessary.

Personal Protection: Wear suitable gloves when handling the product over long periods. Avoid inhaling dust. Where high concentrations of airborne dust is present, respirators conforming to AS1716 should be worn. After handling product, wash hands and observe good hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder.

Coulor: White to grey

Odour: None

pH: 9.0 - 10.0 (100g/l at 20 °C)

Flammability: Not Flammable.

Bulk density: Normally between 900-1100 kg/m³.

Solubility in water: Sparingly soluble.

10. STABILITY AND REACTIVITY

Storage stability:

Stable.

Conditions to avoid:

Avoid contamination by incompatible materials.

Incompatibility: Will react violently with acids (eg. Sulphuric acid), fluorine, aluminium (hot) and ammonium salts

11. TOXICOLOGICAL INFORMATION

Acute oral LD₅₀: No data.

Acute dermal LD₅₀: No Data.

Acute inhalation LC₅₀: May irritate respiratory tract when inhaled, sore throat, coughing.

Acute skin irritation: May irritate the skin.

Acute eye irritation: May cause irritation.

Dermal sensitization: No information.



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Carcinogenicity/ Teratogenicity/ Mutagenicity: No information

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY:

No data available.

This material shows no bioaccumulation or food chain toxicity potential

13. DISPOSAL CONSIDERATIONS

Fertilizer disposal:

Depending on degree and nature of contamination, dispose of by use as fertilizer by spreading or to an authorized waste facility.

Packaging:

Emptied containers retain vapour and product residues. Observe all labeled safeguards until container is destroyed. Combustible containers should be disposed of in pesticide incinerators.

14. TRANSPORT INFORMATION

UN No.: Not regulated.

15. REGULATORY INFORMATION

Symbol: None

Risk phrases:

R22 Harmful if swallowed.

R36/37 Irritating to eyes and respiratory system.

Safety phrases:

S 1/2 Keep locked up and out of reach of children.

S37/39 Wear suitable gloves and eye/face protection.

National legislation: In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act, 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act. No. 85 of 1993)

16. OTHER INFORMATION

Compiled by: Danie Fourie

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations(s) containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.



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REFERENCES

- Similar product MSDS.
- ADR 2011, Part 3.
- IMDG Code, 2005 Edition, Vol. 2.
- IATA Dangerous goods regulations, Effective 1 January 2011

END OF MSDS.