

MATERIAL SAFETY DATA SHEET (MSDS) ***Dolomite***

0.General

Version number : 3.0
Date of issue : 30.01.2026
Supersedes version : Version 2. 13.11.2024.
Based on : REACH Regulation EC 1097/2006 and Commission Regulation EU 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

1.1 Product Identifier

Dolomite (Calcium Magnesium Carbonate) as a granular and fine powder range.

Product Name: SyferBRITE 2D; 5D;10D;40D;65D;100D; Syfer-Coated Range; Syfer 10D;25D;45D;100D,250D,850D; SyferD -1mm; Syfer 250Dsd; SyferD1200FD; Syfer-Gamazine; Mopane Dolomite AgLime.
Chemical name/ synonyms: Calcium Magnesium Carbonate.
REACH registration number: not applicable, product exempted from REACH registration (AnnexV)
CAS-number: 16389-88-1
EC-number: 240-440-2
Index number CLP Annex VI: not classified

1.2 Relevant identified uses of the substance or mixture and uses advised against

Most relevant use /application for our Dolomite products are: Industrial Chemical and Coating processes, water treatment, slag conditioner in iron and steel industry, stack gas scrubbing (neutralizer), reagent in various chemical industries, sorrel cement, animal feed and Fertilizer applications. No uses advised against are identified.

1.3 Details of the supplier in this safety data sheet

Name: Syferfontein Carbonates (Pty) Ltd
Address: PTN 1 Farm Syferfontein 608KR, District Waterberg, Modimolle, Limpopo, 0510, South Africa.
Telephone: Tel: +27 12 345 4539
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SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Substances

Constituents	ECnumber	CAS-number	Concentration w/w	Classification Regulation (EC) No.1278/2008
Dolomite	240-440-2	16389-88-1	96 - 98%	None
Oxides of silica, iron, aluminium.			1.5 -2.0 %	None
Molecular weight:	184.4g/mol			

Composition reported is in the oxide form, but these do not necessarily exist within the Dolomite as free uncombined oxides but complex mineralogical form /phases. The purity /composition range shall cover all Product name / grades mentioned in section 1.1

Hazard Symbols : None Listed
Risk Phrases : None Listed
Toxicology data on ingredients : Not applicable
Halal & Kosher Status : We hereby confirm our said products during any stages of manufacturing, storage or transportation do not contain and are free from Alcohol, animal products, anything derived from human body, derived from animal, fish, dairy products, wine origin products even in minute traces.

SECTION 3: HAZARDS IDENTIFICATION

3.1 Classification of the substance of mixture

Not dangerous according to ASCC Criteria

According to Regulation (EC) No. 1272/2008 (CLP) : Not Classified

According to Directive 67/548/EEC : Not Classified

Reach Regulation not applicable, product exempted from REACH registration (Annex V)

Comply with BFR XXXVI and Hygiene standard GB9685-2008

Comply with Food substances affirmed as generally recognized as safe (GRAS) Title 21 Part 181 and 184.1 & 184.1431 https://www.ecfr.gov/cgi-bin/text-idx?SID=e956d645a8b4e6b3e34e4e5d1b690209&mc=true&node=pt21.3.184&rgn=div5#se21.3.184_11431

3.2 Label elements

According to CLP regulation:

GHS hazard pictogram:	No pictogram
Signal word:	No signal word
Hazard statement:	None
Precautionary Statements:	None
<u>Other labels:</u>	None

3.3 Other hazards

None

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:	Remove victim to fresh air and keep at rest in position comfortable for breathing.
Skin contact:	Wash with plenty of soap and water (for at least 10 minutes). Use skin lotion. If Skin Irritation, get medical advice or attention.
Eye Contact:	Remove contact lenses. Rinse copiously with water for at least 10-15 minutes. If eye Irritation persists, get medical advice and (if needed) medical attention.
Ingestion:	Rinse mouth. Do not induce vomiting. In case large quantities have been swallowed, get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	: Dust may cause temporary irritation of upper respiratory tract and slight Irritation of eyes and nose.
Skin contact:	: Irritation, drying, chapping
Eye Contact:	: Redness, tearing
Ingestion:	: If large quantities are swallowed, rarely irritation nausea and gastrointestinal upset may occur.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Appropriate extinguishing media: CO₂, powder or water spray

5.2 Special hazards arising from the substance of the mixture

In principle not combustible, not explosive, not flammable.

5.3 Advise for fire fighters

Protective actions and/or special protective equipment depending on surrounding fire. Use protective Clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures-small dosage

Individual precaution:	Avoid the inhalation of dust by wearing a suitable face mask
Environmental precaution:	Do not pour into sewers or rivers
Cleaning Precaution:	Sweep spilled substance, eliminate wastewater in accordance with Regulation
Operation to avoid:	Contact with halogens and strong acids

6.2 Personal precautions, protective equipment and emergency procedures - large dosage

Environmental precaution:	Do not allow to enter waterways for fear of blockage.
Cleanup procedure:	Use a shovel to put the spilled material in appropriate containers. Finish cleaning by spreading water on the contaminated surface and allow Evacuating through the sanitation system.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Avoid any operation leading to the formation of a dust cloud.
- Observe the exposure limit values in accordance with regulation.
- Avoid inhaling dust and fumes when in their presence.
- Avoid ingestion of the product.
- Wash thoroughly everybody surface that encountered dust after handling.
- Do not eat, drink or smoke when using this product.
- Clean area frequently to avoid buildup of dust

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place.
- Avoid contact with incompatibles mentioned in Section 10.

7.3 Specific end use(s)

No specific end uses

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

MAC (NL):	10 mg/m ³
MAK (DE):	6 mg/m ³ (for fumes)
	24 mg/m ³ 15 minutes, 4 times (short term exposure for fumes)
OSHA PEL:	15 mg/m TWA (inhalation total particulates) on 8-hour shift
ACGIH TLV:	10 mg/m TWA (inhalation total)
OES (UK):	16.5 mg/m ³ (schedule: 10 minutes)
4 STEL (UK):	10 mg/m ³ Inhalation Respirable, Total, consult local authorities
France:	5 mg/m ³ (unknown limit type)

8.2 Exposure controls

Appropriate Engineering Use process enclosures, local exhaust ventilation or other engineering controls

Controls:	to keep air-borne levels below recommended exposure limits (see Section 8.1)
Individual protection Measures:	Do not eat, drink or smoke when handling the substance. In case dust or fumes form when handling the substance, wear protective clothing such as gloves, Safety goggles or glasses, respiratory mask and /or face protection.
Professional protection	Wear dust mask P.2 Impervious protective gloves are recommended. Use Safety
Measures:	Glasses with side protection. It is recommended to wear cover clothing and Shoes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical property

Appearance:	Powder or Granular
Colour:	White to Half White (powder /granular)
Odour:	Odourless
pH (1% soln/water)	Not available
Melting point:	Undetermined
Boiling Point:	Undetermined
Flash point:	Not applicable

Flammability:	Not flammable
Auto-flammability:	Not applicable
Explosion hazards:	Not explosive
Combustive properties:	Not combustible
Solubility	Very slightly soluble in water. Soluble in dilute acids, Insoluble in Alcohol
Viscosity:	Not applicable (solid)

9.2 Other information

Not applicable

SECTION 10: STABILITY AND REACTICITY

10.1 Chemical Stability

Dolomite is stable under recommended conditions of storage.

10.2 Reactivity

Dolomite reacts with strong acids.

10.3 Possibility of hazardous reactions

Undetermined and subject to acid concentrations.

10.4 Conditions to avoid

Avoid incompatible materials mentioned in section 10.5

10.5 Incompatible materials

Acids at high concentrations.

10.6 Hazardous decomposition products

No known hazardous decomposition of product exists.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

LD., L(E)C .:	Not available
Classification:	Dolomite was not classified according to Council Directive 67/548/EEC Or Council Regulation 1272/2008/EC

Acute toxicity:

By oral route:	None
By Inhalation:	Short-term inhalation of Dolomite dust or fume may cause temporary Irritation of upper respiratory tract, skin, nose and eyes. No known allergies

By Dermal Routes: Responses.
Not absorbed by intact skin. Intimate contact of naked skin to Dolomite
Dust may cause irritation, drying and chapping.

Chronic toxicity:

- Oral Route, after repeated exposure, man, no observed effect.
- Oral route, after repeated exposure cattle, target organ: gastro-intestinal system, 1% irritating effect.
- Inhalation, after repeated exposure, rat 3 mg/m³, no observed effect.

Eye Irritation : May cause eye irritation.

Germ cell mutagenicity : No known studies. Not considered to be mutagenic in general.

Carcinogenicity : Substance is not classified as carcinogenic under ACGIH, NIOSH, IARC, NTP or OSHA.

11.2 Other information

Alkalinity. Being a mild alkali is mainly the case for irritation of body tissues.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

The following points are theoretical conclusions:

- As natural occurring mineral, Dolomite poses no threat or very little threat to the environment.
Spillage however may be dangerous if it encounters incompatible materials see section 10.
- Due to iconic nature however, it is not a candidate for bioaccumulation.

12.2 Persistence and degradability

Dolomite powder reacts slowly with water to produce mild hydroxides. The reaction is self-limiting because of the formation of insoluble residue. No other data concerning degradation are available.

12.3 Bioaccumulation potential

Due to its ionic nature, Dolomite is not a material for bioaccumulation in aquatic species.

12.4 Mobility in soil

Not expected based on structure and physicochemical characteristics

12.5 Results of PBT and vPvB assessment

Dolomite is not classified as PBT or vPvB substance.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of substance in suitable containers in accordance with local, regional, national or international regulation.

SECTION 14: TRANSPORT INFORMATION

14.1	UN number	:	not applicable
14.2	UN proper shipping name	:	not applicable
14.3	Transport hazard class(es)	:	not applicable
14.4	Packing group	:	not applicable
14.5	Environmental hazards	:	not applicable
14.6	Special precautions for users	:	not applicable
14.7	Transport in bulk according to Annex II Of MARPOL 73/78 and the IBC Code	:	not applicable

SECTION 15: REGULATORY INFORMATION

- . Not classified as dangerous according to Council Directive 67/548/EEC
- . Not classified as dangerous according to Council Directive 1272/2008/EC
- . Substance exempted from Regulation 1907/2006 (REACH): Annex V, paragraph 10.
- . Other relevant legislation: 1999/45/EC, 2001/58/EC, 2006/58/EC (30 TP), 2006/8/EC

SECTION 16: OTHER INFORMATION

Revision of this safety data sheet shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety is fully revised according to the CLP and REACH regulations. This safety data sheet supersedes all previous issues.

The information in this MSDS was obtained from sources which we believe are reliable.

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