

Calcium carbonate (Limestone)

Safety Data Sheet

Version: 1.0

according to Regulation (EC) No.
453/2010 Date of issue: 01/01/2026

Revision date: :

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Substance name : Limestone Powder
Chemical name : calcium carbonate
IUPAC name : calcium carbonate
EC index no : 207-439-9
CAS No : 471-34-1
REACH registration No : not available
Product code : JM1SFN, JM2SFN, JM5N, JM10N, JM20N, JM25N, JM32N, JM45N, JM63N, JM100N, JM130N, JM200N, JM250N, JM1SFC, JM2SFC, JM5C, JM10C, JM20C, JM25C, JM10DD, JM1-3MM

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Paper.
Plastics
Paint
Coatings
Feedstock

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Jordan Minerals Est. / Rafiq Burghli & Co.
11190 Amman - Jordan
T 00962 (6) 5602794, 5603794
info@jordan-minerals.com

1.4. Emergency telephone number

Emergency number : 00962 (6) 5621794
(business hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : Calcium carbonate (Limestone) :
H.S Code 28-36-5000
EC index no : 207-439-9

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Calcium carbonate (Limestone) (Main constituent)	(CAS No) 471-34-1 (EC index no) 207-439-9 (REACH-no) not available	100	Not classified

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium carbonate (Limestone) (Main constituent)	(CAS no) 471-34-1 (EC index no) 207-439-9 (H.S.Code no)283-65-000	100	Not classified

Full text of R- and H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Wash with plenty of soap and water.
- First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes.
- First-aid measures after ingestion : Rinse mouth immediately and drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after eye contact : May cause physical irritation upon direct contact.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : The product itself does not burn. Non flammable.
- Explosion hazard : None known.
- Hazardous decomposition products in case of fire : Thermal decomposition generates : Carbon dioxide. calcium oxide.

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing.
- Emergency procedures : Evacuate personnel to a safe area. Do not breathe dust.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus.
- Emergency procedures : Evacuate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Avoid generation of dust.
- Methods for cleaning up : Use clean-up methods that avoid dust generation (vacuum wet). Avoid creating or spreading dust. Collect in closed containers for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : None known.
- Precautions for safe handling : Avoid creating or spreading dust. Avoid breathing dust.
- Hygiene measures : Wash contaminated clothing before reuse. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in dry, cool, well-ventilated area. Keep container tightly closed.
Incompatible products	: Strong acids.
Heat and ignition sources	: Store away from excessive heat.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium carbonate (Limestone) (471-34-1)		
Belgium	Limit value (mg/m ³)	10 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	10 mg/m ³
Cyprus	OEL TWA (mg/m ³)	10 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	10 mg/m ³
Estonia	OEL TWA (mg/m ³)	10 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	10 mg/m ³
France	VME (mg/m ³)	10 mg/m ³
Greece	OEL TWA (mg/m ³)	>= 10 mg/m ³ Inhalable fraction
Hungary	AK-érték	10 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ Inhalable fraction
Latvia	OEL TWA (mg/m ³)	6 mg/m ³
Poland	NDS (mg/m ³)	10 mg/m ³
Portugal	OEL TWA (mg/m ³)	10 mg/m ³
Romania	OEL TWA (mg/m ³)	10 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	10 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ Inhalable fraction

8.2. Exposure controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation to minimize exposure to dust.
Personal protective equipment	: Gloves. In case of dust production: protective goggles.



Hand protection	: Wear suitable gloves tested to EN374.
Eye protection	: In case of dust production: protective goggles. DIN EN 166.
Skin and body protection	: Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Fine white powder.
Colour	: white.
odour	: odourless.
Odour threshold	: No data available
pH	: 8,7
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 825 °C, 1517 F
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

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Relative density	: No data available
Solubility	: Water: 0,12 g/100ml Organic solvent:0,23 g/100ml
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No polymerization.

10.4. Conditions to avoid

Excessive heat.

10.5. Incompatible materials

Acids. Fluorine (F). Magnesium. Hydrogen.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon dioxide. Calcium oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: 8,7
Serious eye damage/irritation	: Not classified pH: 8,7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Calcium carbonate (Limestone) (471-34-1)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

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This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

14.6.2. Transport by sea

14.6.3. Air transport

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Other information : It is the user's responsibility to take the mentioned precautionary measures and to ensure that this information is complete and sufficient for the use of this product. Such information is actually to be best of our knowledge and believes accurate as reliable.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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