

Substance Information Sheet



according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)

Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

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

1.1 Product identifier

Limestone Powder

Synonyms: KSM-D, KSM-F, WK-Powder

The aforementioned product names represent product groups. Product groups may be provided with additional designations. This substance information sheet is also valid for products with additional designations.

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

Limestone powders are finely ground aggregates for use in the building material industry, for asphalts, and for surface treatments of roads, airfields, and other traffic areas.

Note:

Limestone powder has no hazardous properties.

To avoid misinterpretation, no safety data sheet is provided. However, the information in this substance information sheet corresponds in form and content to the safety data sheet according to Annex II of the REACH Regulation (EC) No 1907/2006 (REACH).

Hazard components for labelling: None.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Heidelberg Materials AG

Street address/P.O. Box: Berliner Str. 6

Country ID/Postcode/Place: DE-69120 Heidelberg

Telephone number: +49 6221 / 481 – 0

Telefax: +49 6221 / 481 13 – 554

Information provided by: Quality Germany

Phone: +49 02524 / 29 – 51 291

E-mail address of competent person responsible for the SDS: zement.sdb@heidelbergmaterials.com

Production site: Plant Ennigerloh-Süd in 59320 Ennigerloh;
Plant Burglengenfeld in 93133 Burglengenfeld

1.4 Emergency telephone number

Emergency telephone number: +49 6131 / 19 240 (Poison Information Center in Mainz, Germany)

Opening hours: 24 hours / 7 days

Service is provided in the following languages: German, English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

None. The product is not classified as hazardous according to Regulation (EC) No 1272/2008 [CLP].

Substance Information Sheet



according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)

Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

2.2 Label elements

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

The product is not classified as hazardous according to Regulation (EC) No 1272/2008 [CLP] and therefore does not require labelling.

2.3 Other hazards

None. The product does not fulfil the criteria for PBT or vPvB according to Annex XIII of REACH Regulation (EC) No 1907/2006.

Mineral dust can be produced when handling limestone powder (crushing, transport).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable, as these products are mixtures.

3.2 Mixtures

Limestone powder is a mixture of naturally occurring sedimentary rocks and consists mainly of calcium carbonate.

Hazardous components:

None.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

If a physician is consulted, please present this substance information sheet.

Following eye contact

Do not rub eyes dry, because mechanical stress may cause additional damage to the cornea. Where applicable, remove contact lenses and immediately rinse the eye, while open, under running water in order to remove all particles. If possible, use isotonic eye-cleansing solution (0.9 % NaCl). Always consult an occupational physician or ophthalmologist.

Following skin contact

Wash off the product with soap and water.

Following inhalation

Provide fresh air. Dust from the throat and nose should be removed quickly. If symptoms such as discomfort, coughing or persistent irritation occur, consult a doctor.

Following ingestion

Do not induce vomiting. If conscious, rinse mouth and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

None known.

Substance Information Sheet

according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)



Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

4.3 Indication of any immediate medical attention and special treatment needed

When contacting a physician, take this substance information sheet with you.

SECTION 5: Firefighting measures

5.1 Extinguishing media

The product is not flammable. Extinguishing agents and fire-fighting measures must be adapted to the surrounding fire.

5.2 Special hazards arising from the substance or mixture

The product is non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials.

5.3 Advice for firefighters

No specific measures are required, as the product does not pose any fire-related hazards.

When heated above 900 °C, calcium carbonate decomposes into calcium oxide (CaO) and carbon dioxide (CO₂).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Avoid dust formation.

In case of heavy dust formation, use suitable personal protective equipment as described in section 8.

Follow the instructions for safe handling as described in section 7.

6.1.2 For emergency responders

Emergency action plans are not required.

6.2 Environmental precautions

No measures required.

6.3 Methods and material for containment and cleaning up

Pick up the spilled mixture as dry as possible. If possible, use dry methods for cleaning that do not generate dust, e.g., industrial hoovers with a suitable filter.

6.4 Reference to other sections

See sections 8 and 13 for further details.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Protective measures

Follow the recommendations as given in section 8.

Measures to prevent fire

Not applicable.

Substance Information Sheet



according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)

Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

Measures to prevent aerosol and dust generation

Do not sweep. If possible, use dry methods for cleaning, such as vacuum suction, which do not generate dust.

Further information on dust prevention can be found at DGUV:

<https://www.dguv.de/staub-info/zehn-goldene-regeln/index.jsp> as well as on the NePSi platform:
<https://guide.nepsi.eu/>

Measures to protect the environment

No particular measures required.

7.1.2 Advice on general occupational hygiene

Do not eat, drink, or smoke while working. Wash hands before breaks and at the end of work and shower if necessary to remove adhering limestone powder. Avoid contact with the eyes. After working with limestone powder, workers should wash or shower and use skin care products. Clean contaminated clothing, shoes, watches, etc. before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Minimize contact with moisture. Loose storage in suitable silos. Keep away from acid.

7.3 Specific end use(s)

No additional information for the specific end uses.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Type of Evaluation Value	Evaluation Value	Peak Limitation	Source	Monitoring Procedure, e.g.,
General Dust Limit Value				
Maximum Allowable Concentration	8 h 1.25 mg/m ³ (R) 10 mg/m ³ (I)	2 (II) 15 min	20 (E) TRGS 900	TRGS 402

(R): Respirable dust fraction / (I): Inhalable dust fraction.

Information about the Technical Rules for Hazardous Substances (TRGS) can be found in section 16.4 in (1).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Closed systems:

Provide dust extraction systems.

In semi-closed or open systems:

Provide dust extraction systems or ensure good ventilation or humidification of the mixture.

8.2.2 Individual protection measures, such as personal protective equipment

General: Do not eat, drink, or smoke while working. Wash hands before breaks and at the end of work and shower if necessary to remove limestone powder. Avoid contact with eyes and skin. After working with limestone powder, workers should wash or shower and use skin care products if necessary.

Substance Information Sheet

according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)



Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

Eye/face protection:



In the event of heavy dust formation or risk of splashing, the wearing of tight-fitting safety goggles in accordance with DIN EN 166:2002 is recommended.

Hand protection:



We recommend wearing protective gloves to protect against mechanical abrasion.

Respiratory protection:



If there is a risk of the exposure limit values being exceeded, e.g., when openly handling the dry powdered product, it is recommended that a suitable respirator is worn. General information on this topic can be found in DGUV Rule 112-190.

8.2.3 Environmental exposure controls

No special measures required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- (a) Physical state: fine inorganic solid material
- (b) Color: grey or white powder
- (c) Odor: slightly earthy odor
- (d) Melting point/freezing point: > 900 °C. Decomposition and release of CO₂.
- (e) Boiling point or initial boiling point and boiling range: not applicable as the melting point is above 900 °C under normal conditions.
- (f) Flammability: Not applicable, as material is not combustible.
- (g) Lower and upper explosion limit: Do not apply to solids.
- (h) Flash point: Does not apply to solids.
- (i) Auto-ignition temperature: Not applicable, only applies to gases and liquids.
- (j) Decomposition temperature: > 900 °C, decomposition to CaO and CO₂.
- (k) pH (T = 20 °C) in water: 7-9
- (l) Kinematic viscosity: Not applicable, only applies to liquids.
- (m) Solubility in water (T = 20 °C): low (0.1-1.5 g/l)
- (n) Partition coefficient n-octanol/water (log value): Not applicable, product is inorganic.
- (o) Vapor pressure: Not applicable, as melting point > 900 °C.
- (p) Density and/or relative density: 2.7-2.9 g/cm³; bulk density: ca. 0.8-1.5 g/cm³

Substance Information Sheet



according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)

Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

- (q) Relative vapor density: Not applicable, only applies to gases and liquids.
(r) Particle characteristics: Typical average particle size: 2-50 µm

9.2 Other information

None.

9.2.1 Information with regard to physical hazard classes

Not applicable.

9.2.2 Other safety characteristics

Not applicable.

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactivity.

10.2 Chemical stability

Under normal handling and storage conditions, limestone powder is chemically stable.

10.3 Possibility of hazardous reactions

No hazardous reactions under normal conditions.

10.4 Conditions to avoid

Moisture during storage can lead to lump formation. When heated above 900 °C, calcium carbonate decomposes into calcium oxide and carbon dioxide.

10.5 Incompatible materials

Product reacts with acids, forming CO₂.

10.6 Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:	none
Skin corrosion/irritation:	none
Serious eye damage/irritation:	none
Skin sensitization:	none
Respiratory sensitization:	none
Germ cell mutagenicity:	none
Carcinogenicity:	none
Reproductive toxicity:	none
Specific target organ toxicity:	none
Aspiration hazard:	none

Substance Information Sheet

according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)



Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

Medical conditions aggravated by exposure

Exposure to dust can irritate the respiratory tract (throat and lungs). Coughing, sneezing and shortness of breath may result if exposure is above the occupational exposure limit. Dust can mechanically irritate the eyes.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not applicable.

11.2.2 Other information

Not applicable.

SECTION 12: Ecological information

12.1 Toxicity

No known toxic effects.

12.2 Persistence and degradability

Not applicable, as the product is an inorganic mineral material.

12.3 Bioaccumulative potential

Not applicable, as the product is an inorganic mineral material.

12.4 Mobility in soil

Not applicable, as the product is an inorganic mineral material.

12.5 Results of PBT and vPvB assessment

Not applicable, as the product is an inorganic mineral material.

12.6 Endocrine disrupting properties

Not applicable.

12.7 Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Unused residue of the dry product

Pick up dry. Label container. Reuse if possible, avoiding exposure to dust.

Packaging

Empty packaging completely and send for recycling. Otherwise, dispose of the completely emptied packaging in accordance with waste code AVV 15 01 01 (paper waste and cardboard packaging) or AVV 15 01 05 (composite packaging).

Substance Information Sheet



according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)

Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

SECTION 14: Transport Information

The product is not subject to the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). Therefore, no dangerous goods classification is required.

14.1 UN number or ID 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 user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH)

National regulations (Germany)

- Water Hazard Class: nwg (not hazardous to water), self-assessment according to AwSV from 18.04.2017 (2)
- Ordinance on Hazardous Substances (GefStoffV)
- Waste Framework Directive (European List of Waste)
- Technical Rules for Hazardous Substances 900 "Maximum Allowable Concentrations" (TRGS 900)
- Technical Rules for Hazardous Substances 402 "Determination and Evaluation of Hazards during Operations with Hazardous Substances: Inhalative Exposure" (TRGS 402)

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

Substance Information Sheet



according to Regulation (EC) No 1907/2006 (REACH) Article 32
(non-hazardous substances)

Product: Limestone Powder

Version: 1.2

Replaces all previous versions - effective from 28.05.2026

Print date: 28.05.2026

SECTION 16: Other information

16.1 Indication of changes

In section 1.3, a new production site has been added.

16.2 Abbreviations and acronyms

ADR/RID	European Agreements on the transport of Dangerous goods by Road/Railway
AwSV	Ordinance on Installations for the Handling of Substances Hazardous to Water
CLP	Classification, labelling and packaging (Regulation (EC) No. 1272/2008)
EPA	Type of high efficiency air filter
HEPA	Type of high efficiency air filter
IATA	International Air Transport Association
IMDG	International agreement on the Maritime transport of Dangerous Goods
PBT	Persistent, Bio-accumulative, and Toxic
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals (Regulation (EC) 1907/2006)
SDS	Safety Data Sheet
TRGS	Technical Rules for Hazardous Substances
vPvB	Very persistent, very bioaccumulative
WGK	Water Hazard Class

16.3 Process categories and descriptors

Not applicable.

16.4 Key literature references and sources for data

- (1) *Technical Rules for Hazardous Substances (TRGS):*
<https://www.baua.de/DE/Angebote/Rechtstexte-und-Technische-Regeln/Regelwerk/TRGS/TRGS.html>
- (2) *Ordinance on Installations for the Handling of Substances Hazardous to Water (AwSV) of 18 April 2017 (Federal Law Gazette I p. 905), which was amended by Article 256 of the Ordinance of 19 June 2020 (Federal Law Gazette I p. 1328).*

16.5 Relevant hazard statements (number and full text)

Not applicable.

16.6 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Not applicable.

16.7 Training advice

In addition to training programs for employees on the topics health, safety and environment, companies must ensure that their employees are able to read and to understand the safety data sheet/substance information sheet, and to implement the requirements.

16.8 Disclaimer

The information given in this safety data sheet/substance information sheet describes the safety requirements of our products and is based on the currently available knowledge. It does not represent any warranty of end product properties. Existing legislation, ordinances, and regulations, including those not mentioned in this safety data sheet/substance information sheet, are to be observed by the recipient of our products at his own responsibility.