

SAFETY DATA SHEET

In accordance with Regulation 830/ 2015 amending (EC) Regulation no. 1907/ 2006 (REACH)

Name of the product:	Limestone filler
Revision	1 st ed., 3 rd revision (this sheet substitutes previous versions)
Date of last revision	10.02.2020
Code	FDS-04

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

1.1. Product identification elements	<p>Limestone filler (calcium carbonate) CaCO₃ Limestone filler is exempted from REACH classification as per art. 2. para. 7 (b) and annex V para. 7(a) REACH. CAS 471-34-1 EINECS 207-439-9</p>
1.2. Identified relevant uses of substance or mixture and inadvisable uses	<p>Limestone filler is a material in the form of a fine white powder used in the preparation of bituminous mixtures and the finishing of surfaces used in road construction, airports and other traffic areas.</p>
1.3. Details of the supplier of the Safety Data Sheet	<p>HeidelbergCement România S.A., cement plant Fieni, 34 Aurel Rainu Str., Fieni, Dâmbovița County (tel.: 0245.606.425, fax: 0245.774.091)</p> <p>HeidelbergCement România S.A., Cement plant Chiscadaga, 1 Principala Str., Hunedoara County (tel.: 0254.237.002, fax: 0254.237.008)</p> <p>HeidelbergCement România S.A., Cement plant Tașca, Tașca village, Tașca locality, Neamț County (tel.: 0233.254.221, fax: 0233.253.131)</p> <p>Contact: tel. 021.311.59.75 interior 1124 or email: tehnic@heidelbergcement.ro</p>
1.4. Telephone number in case of emergencies	<p>Emergency no.: 112 Manufacturer's no.: 021 311.59.75 (Monday – Friday between 8.00-16.00) Office for International Sanitary Regulation and Toxicological Information – 021 318.36.06 (Monday – Friday between 8.00 - 15.00) The information is provided in Romanian language.</p>

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture	This substance has not been classified as hazardous as per the EU legislation.
2.2. Label elements	Limestone filler is not deemed a hazardous substance as per (EC) Regulation no. 1272/2008.
2.3. Other hazards	Unknown.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances	CaCO ₃ and other geological constituents present in small quantity ranging depending on the source, i.e.: MgCO ₃ , SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ .
3.2. Mixtures	Not applicable.

4. FIRST AID MEASURES

When you visit your physician please bring this data sheet.

4.1. Description of first-aid measures	General notes No need for individual protection equipment for persons giving first aid.
	In case of eye contact Do not rub your eyes to avoid possible cornea damage by mechanical friction. Remove contact lenses if you are wearing any. Bend your head towards the injured eye, open your lids widely and wash the eye (eyes) immediately by full rinse with plenty of fresh water at least 20 minutes to remove all particles. Avoid particle leakage into the uninjured eye. Contact a labor medicine expert or an eye doctor.
	In case of skin contact Wash your skin with plenty of water. Remove contaminated clothing, footwear, watches, etc. and fully clean them before reuse.
	In case of inhalation Take the person to fresh air. Throat and airways dust must be immediately cleaned. Contact a doctor if the irritation persists or occurs later or if discomfort sensation, cough, or other symptoms persist.
4.2. Most important symptoms and effects, both acute, as well as delayed	In case of ingestion Do not cause vomit. If the person is conscious, wash his/ her mouth with water and give them plenty of water to drink. Ask immediately for medical help if needed.
	Eye contact with limestone filler may cause lesions to the cornea by mechanical stress.
4.3. Indications	When you visit your physician please bring this data sheet.

on any immediate medical assistance and special treatments necessary

5. FIRE FIGHTING MEASURES

5.1. Means to put out fires

Limestone filler does not pose fire hazards and there are not restrictions concerning fire extinguishing agents.

5.2. Special hazards caused by the respective substance or mixture

Limestone filler is not combustible, does not explode, does not sustain nor facilitate combustion of other materials.

5.3. Recommendations for firefighters

No need for special firefighting protection equipment.

6. MEASURES TO TAKE IN CASE OF ACCIDENTAL DISPERSION

6.1. Personal caution, protection equipment and emergency procedures

For staff not involved in emergency cases: avoid inhalation of the dust. Evacuate the contaminated area and follow the applicable procedures.

For staff involved in emergency cases: wear protection equipment as described in Section 8 and follow handling and use advice described in Section 7.

Emergency procedures are not necessary.

6.2. Environmental precautions

No special preventive measures are needed.

6.3. Methods and material to isolate fires and for cleaning

Observe any potential material-related restrictions (section 7.2.)
Collect spilled material in a dry status and use aspiration cleaning methods (i.e.: portable industrial units, equipped with high efficiency particle filters), that do not cause air dispersion. Never use compressed air.

Make sure workers wear individual protection equipment and dust spreading is prevented.

Avoid inhalation of the dust and skin contact. Place the collected material in container/ recipient for further use or disposal.

6.4. Links to other sections

For instructions on waste treatment, see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protection measures

Follow the recommendations provided at Section 8.
To clean limestone filler, see Sub-section 6.3.

Fire prevention measures

Not applicable.

Aerosol and dust generation preventive measures

Do not sweep. Use dry cleaning methods such as aspiration cleaning,

that does not cause air dispersion.

Environmental protection measure
No special measures needed.

7.1.2 Information on general occupational hygiene

Do not handle or store near foods and drinks.
In a dusty environment, wear dust protection mask and goggles. Use protection equipment to avoid skin contact.
Wash your hands after use.
Remove the contaminated clothing and protection equipment before eating.

7.2. Safe storage requirements, including potential incompatibilities

Limestone filler must be stored in dry and impermeable silos (minimum interior condensation) that are clean and contamination-proof.
Asphyxiation hazard: to avoid burying or suffocation do not enter closed spaces such as a silo, warehouse, transportation means, other containers or storage facilities with limestone filler, without taking the required safety measures.
Limestone filler may pile up or adhere to the walls of a closed space.
Limestone filler may fall or dislodge accidentally from the walls of a storage space.

7.3. Specific final use(s)

See section 1.2.

8. EXPOSURE/PERSONAL PROTECTION CONTROLS

8.1. Control parameters

Name - limit	Limit value type	Value (at 8 h TWA – weighted average in time)	Unit	Legal base
Romania				
Dust with no specific effect	LEP - professional exposure limit values –inhalable fraction	10	mg/ m³	HG 1218/ 2006 – annex 4, as subsequently amended and supplemented

8.2. Exposure controls

8.2.1. Appropriate technical controls

Measures to reduce dust generation and avoid the spreading of the dust in the air, such as dust removal, exhaust ventilation and dry-cleaning methods that do not cause air dispersion.

8.2.2. Individual protection measures such as personal protection equipment

General recommendations: Do not eat, drink or smoke when working with limestone filler to avoid skin and mouth contact.
Before starting work with limestone filler, apply a protection cream.
Immediately after working with limestone filler, workers must wash up.
Remove contaminated clothing, footwear, watches, etc. and completely clean them before re-use.

Protection of the eyes/face



Wear protection goggles according to EN 166 when handling limestone filler to avoid eye contact.

Protection of the skin



abrasion proof gloves, lined with cotton, protection footwear, full body protection clothing as well as skin care products.

Respiratory protection



When a person may be exposed to dust concentrations over the exposure limits, use a proper respiratory protection.

8.2.3. Environmental exposure control

With regard to air-borne limestone filler particles emissions, exposure control of this environmental factor must be achieved according to the best available techniques in this field and the applicable regulations on dust particles, in general.
Take measures to make sure the material dust does not reach into water (sewage systems, surface water or ground-water layer).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information regarding basic physical and chemical properties

Aspect:	dust
Color:	light white-grey
Smell:	smell free
Smell acceptance level:	not applicable
Water solubility:	0.4 – 4 %
N-octanol/water partition coefficient:	No available information
Self-ignition temperature:	No available information
Explosive properties:	Not classified as explosive
Oxidation properties:	None
Density:	2.61 - 2.69 g/cm ³
Ph (T = 20°C in water):	8-9
Boiling/melting point:	> 600°C
Vapor pressure, vapor density evaporation speed, freezing point, viscosity:	Not applicable

9.2. Other information Not applicable.

10. STABILITY AND REACTIVITY

10.1. Reactivity See section 10.3.

10.2. Chemical stability The product is chemically stable under standard surrounding conditions (room temperature).

10.3. Likelihood of hazardous reactions	Potential violent reactions with ammonium, fluorine compounds and acids.
10.4. Conditions to avoid	Reduce exposure to air or humidity to avoid degradation. When reaching a temperature over 600°C, the calcium carbonate decomposes and forms calcium oxide (CaO) and carbon dioxide (CO ₂): $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
10.5. Incompatible materials	No information available.
10.6. Hazardous products of decomposition	No information available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects	No classification of toxicological effects is supported.
11.2. Additional information	There is no indication of a potential hazards, based on experience. No toxic effects are expected when the product is properly handled.

12. ECOLOGICAL INFORMATION

12.1. Toxicity	The product is not dangerous for the environment.
12.2. Persistence and degradation level	Not applicable, since limestone filler is an inorganic material.
12.3. Bioaccumulation potential	Not applicable, since limestone filler is an inorganic material.
12.4. Mobility in soil	Not applicable, since limestone filler is an inorganic material.
12.5. PBT and vPvB evaluation results	Not applicable, since limestone filler is an inorganic material.
12.6. Other adverse effects	Not applicable.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	Waste disposal should be performed as per the local and national legislation.
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14. TRANSPORT INFORMATION

Limestone filler is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID), therefore no classification is required. No special precautions are needed apart from those mentioned under Section 8.

14.1. UN number	Not applicable.
14.2. Correct UN 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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Not applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	Limestone filler is exempted from registration as per art 2, para. 7 (b) and annex V, para. 7 a REACH.
15.2. Chemical Safety Assessment	No chemical safety assessment has been carried out.

16. OTHER INFORMATION

16.1. Indications on changes	This version was updated on 22.01.2018, to be consistent with the provisions of (EU) Regulation no. 830/2015, amending (EC) Regulation no. 1907/2006 (REACH) of the European Parliament and Council regarding the registration, evaluation, authorization and restriction of chemicals (REACH).
16.2. Abbreviations	ADR/RID European Agreements on the transport of Dangerous goods by Road/Railway CAS Chemical Abstracts Service EINECS European Inventory of Existing Commercial chemical Substances IATA International Air Transport Association IMDG International agreement on the Maritime transport of Dangerous Goods PBT Persistent, bio-accumulative and toxic REACH Registration, Evaluation and Authorization of Chemicals vPvB Very persistent, very bio-accumulative TWA Time-weighted average
16.3. Key references to specialized literature and sources of data	Not applicable.
16.4. Training recommendations	In addition to health, safety and environmental training programs for their workers, companies must make sure that workers read, understand and apply the requirements of this SDS.
16.5. Other information	Not applicable.
16.6. Disclaimer	The information in this data sheet reflects the currently available knowledge and is reliable provided that the product is used in the stipulated conditions and in accordance with the applications specified on the packaging and/ or the specialty technical



literature. Any other use of the product, including in combination with any other products or processes falls under the responsibility of the user.

The user is implicitly responsible for setting out the proper occupational health and safety measures and for enforcing the laws regulating its own activities.