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SAFETY DATA SHEET

according to

Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008, as further amended and supplemented

Name of the product	Limestone filler
Revision	Edition 2, revision 1 (this sheet replaces previous versions)
Date of last revision	12.09.2023
Code	FDS-04

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND COMPANY

1.1. Product Identifier	Limestone Filler (Calcium Carbonate) CaCO₃ Limestone filler is exempted from REACH classification according to Art. 2. par. 7 (b) and Annex V par. 7(a) of the REACH Regulation. CAS 471-34-1 EINECS 207-439-9
1.2. Relevant identified uses of the substance or mixture and uses advised against	Limestone filler is a fine powder material used in the preparation of bituminous mixtures and the finishing of surfaces used in road construction, airports and other traffic areas.
1.3. Details of the supplier of the safety data sheet	Heidelberg Materials Romania S.A., Fieni Cement Plant, Str. Ing. Aurel Rainu, nr. 34, Fieni, Dâmbovița County (tel: 0245.774 093, fax: 0245.774.091) Heidelberg Materials Romania S.A., Chișcădaga Cement Plant, Str. Principală, nr. 1, Hunedoara County (tel: 0254.237.000, fax: 0254.237.009) Heidelberg Materials Romania S.A., Tașca Cement Plant, Tașca Village, Tașca Commune, Neamț County (tel: 0233.254.221, fax: 0233.253.131) Contact: tel. 021.311.59.75 extension 1158 or e-mail: tehnic@heidelbergmaterials.com
1.4. Emergency telephone number	Emergency telephone number: 021 318.36.06 or 112 Manufacturer's telephone number: 021 311.59.75 (Monday to Friday, 8:00 a.m. - 04:00 p.m.) Office for International Sanitary Regulations and Toxicology Information – 021 318.36.06 (Monday to Friday, 8:00 a.m. - 03:00 p.m.) Information is in Romanian language.



2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture	This substance has not been classified as hazardous under the EU legislation.
2.2. Labelling elements	Limestone filler is not considered to be a hazardous substance according to Regulation (EC) 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 amounts, which vary depending on the source, e.g.: MgCO ₃ , SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ .
3.2. Mixtures	Not applicable.

4. FIRST AID MEASURES

When you visit the physician, please take this safety data sheet with you.

4.1. Description of first aid measures	<p>General Notes No personal protective equipment is necessary for first aid responders.</p> <p>In case of eye contact Do not rub eyes in order to avoid possible cornea damage as a result of mechanic stress. Remove contact lenses if wearing any. Incline the head to injured eye, open the eyelids widely and wash the eye(s) immediately by a thoroughly rinsing with plenty of clean water, for at least 20 minutes, to remove all particles. Avoid particle leakage into the uninjured eye. Contact an occupational medicine specialist or an ophthalmologist.</p> <p>In case of skin contact Wash the skin with plenty of water. Remove contaminated clothing, footwear, watches, etc. and fully clean them before reuse.</p> <p>In case of inhalation Move the person to fresh air. Dust present in the throat and nasal pathways should be cleaned immediately. Contact a physician if the irritation persists or occurs later, or if the feeling of discomfort, cough, or other symptoms persist.</p> <p>In case of ingestion Do not induce vomiting. If the person is conscious, wash their mouth with water and give them plenty of water to drink. If needed, ask for medical help.</p>
4.2. Most important symptoms and effects, both acute, as well as delayed	Eye contact with limestone filler may damage to the cornea by mechanic stress.
4.3. Indications of any immediate medical assistance and special treatment necessary	When contacting a physician, take this safety data sheet with you.



5. FIREFIGHTING MEASURES

5.1. Extinguishing media	Limestone filler does not involve fire hazards, and no limitations concerning fire extinguishing agents are given.
5.2. Special hazards arising from the substance or mixture	Limestone filler is non-combustible, does not explode, and does not sustain nor facilitate combustion of other materials.
5.3. Advice for firefighters	No special equipment is needed for firefighters.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures	For non-emergency personnel: avoid dust inhalation. Evacuate the contaminated area and follow the procedures applicable to such cases. For emergency personnel: wear the protective equipment described in Section 8 and follow the safe handling advice in Section 7. Emergency procedures are not necessary.
6.2. Environmental precautions	No special preventive measures are needed.
6.3. Methods and material for containment and cleaning up	Observe any potential material-related restrictions (Section 7.2.) Collect spilled material in a dry state and use aspiration cleaning methods (example: portable industrial units, equipped with high efficiency particle filters), that do not cause air dispersion. Never use compressed air. Make sure workers wear personal protective equipment and dust spreading is prevented. Avoid dust inhalation and skin contact. Place the collected material in a container/ recipient for further use or disposal.
6.4. Reference 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 in Section 8. To clean up limestone filler, see Sub-Section 6.3. Measures to prevent fire Not applicable. Measures to prevent aerosol and dust generation Do not sweep. Use dry cleaning methods, such as vacuum cleaning, which do not cause airborne dispersion. Measures to protect the environment No special measures are 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 protective equipment to avoid skin contact. Wash your hands after use. Remove contaminated clothing and protective equipment before eating.



7.2. Conditions for safe storage, including any incompatibilities

Limestone filler must be stored in dry and impermeable silos (with internal condensation minimized) that are clean and protected from contamination.

Asphyxiation hazard: To avoid being buried or suffocation, do not enter confined areas, such as a silo, a deposit, transportation means, other containers or storage areas containing limestone filler, without taking the necessary safety measures. Limestone filler can build up or adhere to the walls of a confined space. Limestone filler may fall or dislodge accidentally from the walls of storage areas.

7.3. Specific end use(s)

See Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name threshold value	Type of threshold value	Value (at 8 h TWA – time-weighted average)	Unit	Legal basis
Romania				
Powders with no specific effect	professional exposure limits (LEP) – inhalable fraction	10	mg/ m ³	HG [Government Decision] No. 1218/2006 – Annex 4, as further amended and supplemented

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Measures to reduce dust generation and to avoid dust propagation in the environment, such as dedusting, exhaust ventilation and dry-cleaning methods, which do not cause airborne dispersion.

8.2.2. Individual protection measures, such as personal protective equipment

General: 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 fully clean them before reuse.

Eye/face protection



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

Skin protection



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

Respiratory protection



When a person may be exposed to dust levels over the exposure limits, adequate respiratory protection must be used.

**8.2.3. Environmental exposure controls**

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 does not reach water (sewerage systems, surface water or underground water).

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state: solid (powder)
Color: white-beige
Odor: not applicable
Boiling/melting point: > 600°C
Freezing point: irrelevant
Flammability/Upper and lower explosive limit: not applicable
Explosive properties: not classified as explosive
Flash point: not applicable
Auto-ignition temperature: not applicable
Decomposition temperature: not applicable
pH (T = 20°C in water): 8-9
Kinematic viscosity: not applicable
Water solubility: ≤10% (category WS₁₀)
Partition coefficient n-octanol/water: not applicable
Vapor pressure: not applicable
Density: 2.60 - 2.80 g/cm³
Relative vapor density: not applicable
Particle characteristics: < 2 mm

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 ambient conditions (room temperature).

10.3. Possibility of hazardous reactions

Possible violent reactions with compounds of ammonium, fluorine and acids.

10.4. Conditions to avoid

Reduce exposure to air or humidity to avoid degradation. When heated up beyond 600°C, the calcium carbonate decomposes and forms calcium oxide (CaO) and carbon dioxide (CO₂):

**10.5. Incompatible materials**

No information available.

10.6. Hazardous decomposition products

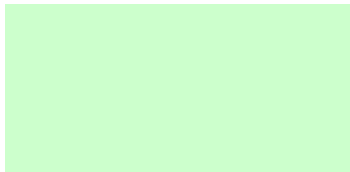
No information available.

11. TOXICOLOGICAL INFORMATION**11.1. Information on the hazard classed as defined in Regulation (EC) No. 1272/2008**

No classification of toxicological effects is justified.

11.2. Information about other hazards

There is no indication of a potential hazard, based on experience.



No toxic effects are expected when the product is handled appropriately.

12. ECOLOGICAL INFORMATION

12.1. Toxicity	The product is not dangerous for the environment.
12.2. Persistence and degradability	Not applicable, as limestone filler is an inorganic material.
12.3. Bioaccumulative potential	Not applicable, as limestone filler is an inorganic material.
12.4. Mobility in soil	Not applicable, as limestone filler is an inorganic material.
12.5. Results of PBT and vPvB assessment	Not applicable, as limestone filler is an inorganic material.
12.6. Endocrine disrupting properties	Not applicable.
12.7. Other adverse effects	Not applicable.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	Waste disposal should be performed according to 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 measures are required, apart from those mentioned under Section 8.

14.1. UN number or identification 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 the IMO instruments	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 according to Art. 2, par. 7. (b) and Annex V, par. 7. of REACH.
15.2. Chemical safety assessment	No chemical safety assessment has been carried out.

16. OTHER INFORMATION

16.1. Indications on changes	This document was updated on 12.09.2023, to include changes related to the change of company name.
16.2. Identified uses and descriptions for uses and categories	According to Section 1.2.
16.3. Abbreviations and acronyms	ADR/RID European Agreements on the transport 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, bioaccumulative and toxic REACH Registration, Evaluation, Authorization and Restriction of Chemicals vPvB Very persistent, very bioaccumulative TWA Time-weighted average
16.4. Key references in literature and sources of data	Not applicable.
16.5. Current hazard statements and precautionary statements	Not applicable.
16.6. Training advice	In addition to health, safety and environmental training program for workers, companies must ensure that workers have available, read, understand and apply the requirements of this safety data sheet.
16.7. Further information	Not applicable.
16.8. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]	Not applicable.



16.9. Disclaimer

The information on this safety data sheet reflects the currently available knowledge and is valid provided that the product is used in the conditions specified in the technical literature. Any other use of the product, including the use of the product in combination with any other products or processes, falls under the responsibility of the user. Implicitly, the user is responsible for establishing and applying the appropriate safety and health measures, and for applying the legislation governing its own activities.