

MATERIAL SAFETY DATA SHEET

In accordance with Regulation of the Committee (EU) No. 830/2015

Section 1. Identification of the substance/mixture and of the company/undertaking	
1.1 Product identifier	
Name of the substance	Calcium carbonate
Synonym (other names)	Calcium carbonate, limestone dust, stone filler for bituminous mixtures, carbonate sorbent, fodder chalk. <i>This list can be incomplete</i>
Trade name	Fine-grained carbonate sorbent A limestone Coarse-grained carbonate sorbent B limestone
CAS Number	1317-65-3
REACH registration number	Unavailable – (exempt in accordance with appendix V.7)
WE number	215-279-6
Index number	Not applicable
Type of product	Solid body
Chemical formula	CaCO ₃
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Substance/mixture usage - preparation is used in power industry - sorbent for flue gas desulfurization, desulphurisation based on wet method or desulphurisation in fluidized bed boiler, and in other branches of industry	
It is not advised to use in - only for use in: unknown.	
1.3 Details of the supplier of the safety data sheet	
Name	Company Labtar S p. z. o.o.
Address	Company LABTAR Sp. z o.o. 46-050 Tarnów Opolski, ul. Św. Jacka 12
Phones	+48 77 40 76 600
Fax	+48 77 4644597
Contact persons	Krzysztof Kanas, e-mail: kanas@labtar.pl , tel. +48 77 40 76 643
Tel.	+48 77 40 76 600
1.4 Emergency telephone number	+48 77 40 76 600 on working day during office hours or available 24 hours a day – 112 and 998
SECTION 2: Hazard identification	
2.1 Classification of substance or mixture	Classification – Regulation (EC) No. 1272/2008 Not classified as a hazardous substance or mixture
2.2 Label elements	Label – Regulation (EC) No. 1272/2008 Not classified as a hazardous substance or mixture
2.3 Other hazards	This substance/mixture calcium carbonate does not contain components treated either a stable, subject to bioaccumulation and toxic or stable and subject to very strong bioaccumulation (vPvB) at the level of 0,1% or higher. The substance meets the criteria that enable to classify it as PBT in accordance with Regulation (EC) No. 1907/2006, annex XIII: No P: no B: no T: no The substance meets classification criteria for vPvB in accordance with regulation (EC) no. 1907/2006, Annex XIII: No Other hazards not reflected in the classification – none.
3. SECTION 3: Composition/information on ingredients	
3.1 Substances	Calcium carbonate from different geologic periods changes

		subject to the source of origin.	
3.2 Chemical name	Calcium carbonate (GCC)	CAS No. 1317-65-3 WE No. 215-279-6 Index number not applicable	
3.3 Concentration (%w/w)	Concentration (% w/w)	>=85-<100	
There are no other components that according to the supplier's present knowledge are classified and contribute to classification of the substance.			
SECTION 4: First aid measures			
4.1. Description of first aid measures			
Eye contact	Rinse eyes immediately with plenty of water. Remove contact lenses, if any. Continue rinsing for at least several minutes. Should the symptoms persist, seek medical advice.		
Inhalation	Isolate from the source of dusting or bring the injured person outdoors. Should the symptoms persist, seek medical advice. If there is a suspicion that vapours are still present, rescue worker should put on a proper mask or isolating breathing apparatus. If the person does not breathe or breathing stopped, a qualified rescue worker should resort to artificial respiration or apply oxygen. The substance might be dangerous for the person giving artificial respiration. In case of loss of consciousness, it is necessary to place the casualty in recovery position and call medical help.		
Ingestion	Wash mouth with water. Give the exposed person water to drink. Stop if the person feels nauseous. Do not provoke vomiting unless it is recommended by medical staff. In case of vomiting, head must be kept low to prevent vomit from entering lungs. Should the symptoms persist, seek medical advice. In case of loss of consciousness, it is necessary to place the casualty in recovery position and call medical help.		
Skin contact	Wipe contaminated skin dry and then rinse with plenty of cool water. Continue rinsing for at least several minutes. Should the symptoms persist, seek medical advice.		
4.2. Most important symptoms and effects, both acute and delayed	Unknown		
4.3. Indication of any immediate medical attention and special treatment needed	No available data		
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Proper extinguishing media	Solid inflammable substance, it does not hold up burning, stops propagation of flames. Fire-fighting action does not require additional fire-fighter protection.		
5.2. Special hazards arising from the substance or mixture	Hazardous products of combustion unknown.		
5.3. Advice for firefighters			
Special equipment for firefighters	In case of fire, put on a self-contained breathing apparatus. Standard procedure making use of chemicals in case of fire.		
Further information			
SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
Personal precautions	Avoid dusting		
6.2. Environmental precautions	Substance is not water-soluble.		

	It is not harmful to living organisms.
6.3. Methods and material for containment and cleaning up	
Cleaning methods	Store the material in dry condition. Spilled product should be collected mechanically.
6.4. Reference to other sections	Information regarding personal protection equipment is given in section 8
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Recommendations for safe usage	Personal protection equipment. Described in Section 8.
Fire-protection recommendations	Not identified
Sanitary recommendations	Wear clean, dry personal protection equipment. If necessary, use protective creams.
7.2 Conditions for safe storage, including any incompatibilities	Conditions regarding rooms and storage containers. Store in dust-proof manner. Store in separated storage areas in rooms or tanks protecting from the possibility of pollution. Storage place should be marked to enable identification of the stored substance.
7.3 Specific end use(s)	No available data.
SECTION 8: Exposure controls/personal protection	
8.1. Control parameters	It does not contain substances with occupational exposure limit values. No other, domestic permissible values of concentration.
8.2. Exposure controls.	
Protection of respiratory system	Use proper dust protection of the respiratory system according to the degree of hazard.
Hands protection	Use authorised gloves with CE marking, impregnated with nitrile.
Eye protection	Use tight-fitted goggles with side covers or encased goggles with a wide angle of view. Do not use contact lenses when handling the material.
Skin protection	Use complete clothes, i.e. long trousers and blouses with long sleeves. Working shoes.
SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Appearance	White, yellow in grey or beige shade, solid material with variable shape: pieces, granules or fine powder.
Odour	Specific - slight smell of soil.
pH	8,8-9,5
Flammability	Product is not flammable, it is not subject to ignition. It does not hold up burning.
Water solubility	1,4 mg/l in 20° C
Melting point/freezing point;	Not applicable (solid body, change-of-state point >450°C)
Initial boiling point and boiling range;	Not applicable (solid body, change-of-state point >450°C)
Boiling point	Not applicable (solid body, change-of-state point >450°C)
Flash point;	Not applicable (solid body, change-of-state point >450°C)
Evaporation rate;	Not applicable (solid body, change-of-state point >450°C)
Flammability (solid body, gas)	Product is non-flammable
Upper/lower flammability or explosive limits;	Not explosive No available data (upper and lower limit)

Vapour pressure;	Not applicable (solid body, change-of-state point >450°C)
Vapour density;	Not applicable
Relative density	2,70 – 2,95 g/cm ³
Partition coefficient: n-octanol/water;	Not applicable (non-organic substance)
Auto-ignition temperature	No relative auto-ignition temperature lower than 400°C
Viscosity;	Not applicable (solid body, change-of-state point >450°C)
Oxidising properties.	None
Bulk density	900-1400 kg/m ³
Decomposition temperature;	900°C
Ignition point	Not applicable
Explosive properties	Non-explosive
9.2 Other information	No available data

SECTION 10: Stability and reactivity	
10.1. Reactivity	Stable when stored under recommended conditions.
10.2. Chemical stability	No decomposition when stored and used in accordance with recommendations.
10.3. Possibility of hazardous reactions	No decomposition when stored in accordance with recommendations. It reacts with acids. It created carbon dioxide that forces out oxygen in closed rooms.
10.4. Conditions to avoid	No data
10.5. Incompatible materials	No data
10.6. Hazardous decomposition products	No data
SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
acute toxicity; Product – acute toxicity – by means of alimentary system	LD50 orally (rat):>5.000 mg/kg
Components – natural calcium carbonate – Acute toxicity - by means of alimentary system	LD50 orally (rat):>5.000 mg/kg
Skin corrosion/irritation;	In accordance with EU classification criteria, the product is not recognized as skin-irritating
Serious eye damage/irritation;	In accordance with EU classification criteria, the product is not recognized as eye-irritating
Respiratory or skin sensitisation;	No data
Germ cell mutagenicity; carcinogenicity; reproductive toxicity; Toxic impact on target organs – single exposure; toxic impact on target organs – repeated exposure; Hazard due to aspiration	Ames test OECD 471: Negative. Considering common presence of calcium in natural environment, and the importance of calcium for physiology and no impact on pH change in water, it evidently does not have any genotoxic properties. Unjustified classification in respect of genotoxicity.
Information on likely routes of exposure	No data. Product is considered to be a substance that is not allergic to skin, on the ground of mechanism of operation (pH change) and the fact that calcium constitutes a basic component required in human diet. Unjustified classification in respect of allergy development.
Eye contact	No information regarding unwanted effects or critical dangers
Inhalation	No information regarding unwanted effects or critical dangers
Skin contact	No information regarding unwanted effects or critical dangers
Ingestion	No information regarding unwanted effects or critical dangers
Symptoms related to the physical, chemical and toxicological characteristics	No specific data
Eye contact	No specific data

Inhalation	No specific data
Skin contact	No specific data
Ingestion	No specific data
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Unknown, no data
Short-term exposure	Unknown, no data
Potential immediate effects	Unknown, no data
Potential delayed effects	Unknown, no data
Long-term exposure	Unknown, no data
Potential immediate effects	Unknown, no data
Potential delayed effects	Unknown, no data
Other information regarding unwanted effects or critical dangers	Unknown, no data
SECTION 12: Ecological information	
12.1. Toxicity	
Side effects / long-term toxicity in relation to fish, crustaceans, algae and other water plants	Unknown, no data
Side effects / long-term toxicity in relation to organisms crucial for the environment (bees, birds, plants)	Unknown, no data
Side effects / long-term toxicity in relation to water environment	Unknown, no data
Toxicity in relation to soil micro- and macro-organisms	Unknown, no data
Chronic toxicity in relation to water organisms	Unknown, no data
Toxicity in relation to earth organisms	Unknown, no data
Toxicity in relation to land plants	Unknown, no data
General impact	Not present, risk level of soil and water - none
12.2. Persistence and degradability Product - biodegradability	Not applicable
12.3. Bioaccumulative potential Components: Ground calcium carbonate (GCC)	Not applicable
12.4. Mobility in soil	No data
12.5. Results of PBT and vPvB assessment	See – Section 2
12.6. Other adverse effects	Adverse impact on the environment has been excluded

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	<p>Waste coming from this product is not considered to be hazardous according to legal regulations in force. Waste that could not be recycled, should be rendered harmless locally where it is produced. Small quantities of substance can be carefully collected dry into containers. Contaminated packages should be recycled. Follow regulations of the Waste Act of 14 December 2012 (Journal of Laws 2013, item 21), Act of 13 June 2013 on packages and package waste management (Journal of Laws 2013, item 888) and Ordinance of the Minister of Environment Protection of 9 December 2014 on waste catalogue (Journal of Laws 2014.1923)</p> <p>Waste Code: 150101, 150102, 150103</p>
SECTION 14: Transport information	
UN number	Not applicable
UN proper shipping name	Not applicable
Packing group	Not applicable

Transport hazard class(es)	Not applicable
Environmental hazards	Not applicable
Classification	Not classified as hazardous for transport
Special precautions for user	Dust emissions during transportation must be avoided through application of tight containers or well-covered trailers
Transport in bulk according to Annex II of MARPOL and the IBC Code	Unavailable

SECTION 15: Regulatory information

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

Act of 25 February 2011 on chemical substances and their mixtures. (Journal of Laws 2015.1203 i.e.)

Regulation No. (EU) 2015/830 of 28 May 2015 (Journal of Laws EU L.2015.132.8)

Regulation (EC) No. 1907/2006 of the European Parliament and the Council of 18 December 2006 on registration, evaluation, authorisation and restriction of chemicals (REACH) and creation of the European Agency of Chemicals amending directive 1999/45/EC and repealing regulation of the Council (EEC) No. 793/93 and Regulation of the Committee (EC) No. 1488/94, as well as directive of the Council 76/769/EEC and directive of the Committee 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Journal of Laws EU. L.2006.396.1)

Regulation of the European Parliament and the Council (EC) No. 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing directives 67/548/EEC and 1999/45/EC and amending regulation (EC) No. 1907/2006 Journal of Laws.EU.L.2008.353.1

Act of 14 December 2012 on waste (Journal of Laws 2013, item 21)

Regulation of the Minister of Health of 02.02.2011 on tests and measurements of factors harmful for health in working environment (Journal of Laws 2011.33.166 as amended)

Regulation of the minister of labour and social politics of 06 June 2014 on the highest permissible concentrations and intensities of insanitary agents in working environment (Journal of Laws 2014.817 as amended).

Regulation of the Minister of Health of 10.08.2012 on criteria and way of substance classification

Act of 13 June 2013 on packages and packing waste management (Journal of Laws 2016.1863 i.e.)

Regulation of the Minister of Economy of 9 December 2014 on waste catalogue (Journal of Laws 2014.1923)

Regulation of the Minister of Economy of 21 December 2005 on essential requirements for personal protective equipment (Journal of Laws No. 259, item 2173)

15.2. Chemical safety assessment.

Not available.

SECTION 16: Other information

This Material Safety Data Sheet is directly submitted to the user of the preparation, without assurance or warranties concerning completeness or particularity of all information or recommendations in the sheet.

The following sheet is no base of obligation to any responsibilities of the deliverer of the preparation. The company is not responsible for any death, disease or health damage of any nature, which is a consequence of use or improper use of the Material Data Safety Sheet or material, to which the sheet refers.

Information contained in Material Data Sheet of Hazardous Chemical is in accordance with the level of our knowledge, information and state on the day when it was published.

Explanation of abbreviations and acronyms used in material data sheet.

You can find applied abbreviations and acronyms on: www.wikipedia.org

Explanations of changes (updates of material data sheet):

- Modifications of Material Data Sheet
- In accordance with REACH requirements
- Substantial changes
- Information regarding dangers has been specified