

SAFETY DATA SHEET

according to Commission Regulation (EU) No 2015/830



الكربونات الأردنية
Jordan Carbonate

JorCal CALCIUM CARBONATE

Version 3.2 Revision Date: 26.03.2024 SDS Number: PR00000-01 Date of last issue: 26.03.2024
Date of first issue: 26.05.2021

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

1.1 Product identifier

Trade name: JorCal CALCIUM CARBONATE
Product Code/s: JorCal - 250, JorCal - 200, JorCal - 15, JorCal - 15X, JorCal - 250I, JorCal - SL, JorCal - SX, JorCal - 8JL, JorCal - 6JL, JorCal - 7JL, JorCal - 2JL, JorCal - 2JLX, JorCal - 1JL, JorCal - 2F, JorCal - HX, JorCal - HX A, JorCal - SF, JorCal - UF, JorCal - UltraCoat, JorCal - UltraSheen, JorCal - 5X, JorCal - 8X

REACH Registration Number Substance

Substance name Calcium carbonate (GCC)

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

Use of the Substance/Mixture Manufacture of paints, varnishes and similar coatings, printing ink and mastics
Manufacture of dyes and pigments
Manufacture of glues
Manufacture of plastics products
Mixing, Filling, Fillers, Carrier
Colouring agents, pigments

Recommended restrictions on use For industrial use only.
Other industries not mentioned are excluded.

1.3 Details of the supplier of the safety data sheet

Company Jordan Carbonate
15 Abdulwahab Al Majali Street
11118 Amman

Telephone +96265665517

Telefax +96265664668

E-mail address of person responsible for the SDS sales@jordancarbonate.com

Responsible/issuing person : Jordan Carbonate
15 Abdulwahab Al Majali Street
11118 Amman

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

شركة الكربونات الأردنية

Jordan Carbonate Co.

هاتف ٥٦٦٥٥١٧ - فاكس ٥٦٦٤٦٦٨

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substance

Hazardous components

WEL substance:

Natural Calcium Carbonate.	1317-65-3 215-279-6 Exempted in accordance Annex V.7	CAS – No.	% by weight
		CaCO ₃ 471-34-1	99.3 %
		MgCO ₃ 39409-82-0	0.4 %
		Silica and Silicates 7631-86-89	0.1 %
		Other	0.2 %

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

شركة الكربونات الأردنية
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SAFETY DATA SHEET

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الكربونات الأردنية
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JorCal CALCIUM CARBONATE

Version	Revision Date:	SDS Number:	Date of last issue: 26.03.2024
3.2	26.03.2024	PR00000-01	Date of first issue: 26.05.2021

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Keep container tightly closed in a dry and well-ventilated place.



SAFETY DATA SHEET

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Version
3.2

Revision Date:
26.03.2024

SDS Number:
PR00000-01

Date of last issue: 26.03.2024
Date of first issue: 26.05.2021

Advice on common storage : Do not store near acids.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Natural Calcium Carbonate.	1317-65-3	TWA (inhalable dust)	10 mg/m ³	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3. Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
		TWA (Respirable dust)	4 mg/m ³	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3			

SAFETY DATA SHEET

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الكربونات الأردنية
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JorCal CALCIUM CARBONATE

Version
3.2

Revision Date:
26.03.2024

SDS Number:
PR00000-01

Date of last issue: 26.03.2024
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8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Fatty acids, C16-18	Workers	Skin contact	Long-term systemic effects	10 mg/kg
	Workers	Inhalation	Long-term systemic effects	17,632 mg/m ³
	Consumer use	Inhalation	Long-term systemic effects	4,348 mg/m ³
	Consumer use	Skin contact	Long-term systemic effects	5 mg/kg
	Consumer use	Ingestion	Long-term systemic effects	2,5 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Skin and body protection : Protective suit

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Half mask with a particle filter P2 (EN 143)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : fine powder

شركة الكربونات الأردنية
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هاتف ٥٦٦٥٥١٧ - فاكس ٥٦٦٤٦٦٨

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SAFETY DATA SHEET

according to Commission Regulation (EU) No 2015/830



الكربونات الأردنية
Jordan Carbonate

JorCal CALCIUM CARBONATE

Version	Revision Date:	SDS Number:	Date of last issue: 26.03.2024
3.2	26.03.2024	PR00000-01	Date of first issue: 26.05.2021

Colour	: white
Odour	: odourless
pH	: 8,5 - 9,5 (20 °C) Concentration: 100 g/l Method: DIN-ISO 787/9
Melting point/range	: > 800 °C (1.013 hPa) Decomposition: Decomposes below the melting point.
Boiling point/boiling range	: Decomposition: Decomposes below the boiling point.
Flash point	: does not flash
Flammability (solid, gas)	: The product is not flammable.
Burning number	: 1
Lower explosion limit / Lower flammability limit	: Not applicable
Vapour pressure	: Not applicable
Density	: 2,6 - 2,9 g/cm ³ (20 °C, 1.013 hPa) Method: DIN-ISO 787/10
Solubility(ies) Water solubility	: 0,014 g/l (20 °C, 1.013 hPa) 0,018 g/l (75 °C, 1.013 hPa)
Partition coefficient: n-octanol/water	: Not applicable
Decomposition temperature	: > 600 °C
Explosive properties	: Explosive Acc. EU Legislation: Not explosive Explosive Acc. Transp. Regul.: Not explosive

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

شركة الكربونات الأردنية

Jordan Carbonate Co.

هاتف ٥٦٦٥١٧ - فاكس ٥٦٦٤٦٨

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SAFETY DATA SHEET

according to Commission Regulation (EU) No 2015/830



الكربونات الأردنية
Jordan Carbonate

JorCal CALCIUM CARBONATE

Version	Revision Date:	SDS Number:	Date of last issue: 26.03.2024
3.2	26.03.2024	PR00000-01	Date of first issue: 26.05.2021

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

Reacts with acids. It forms carbon dioxide (CO₂). This displaces the oxygen in the air in closed spaces. (danger of suffocation).

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Components:

Natural Calcium Carbonate.:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Skin corrosion/irritation

Product:

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

SAFETY DATA SHEET

according to Commission Regulation (EU) No 2015/830



الكربونات الأردنية
Jordan Carbonate

JorCal CALCIUM CARBONATE

Version
3.1

Revision Date:
26.03.2024

SDS Number:
PR00000-01

Date of last issue: 26.03.2024
Date of first issue: 26.05.2021

Respiratory or skin sensitisation

Product:

No data available

Further information

Product:

No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10.000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
Exposure time: 48 h

Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l
Exposure time: 72 h
EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l
Exposure time: 72 h

Components:

Natural Calcium Carbonate.:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10.000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

12.2 Persistence and degradability:

Product:

Biodegradability : Not applicable

12.3 Bioaccumulative potential:

Components:

Natural Calcium Carbonate.:

شركة الكربونات الأردنية

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هاتف: ٥٦١٥٩١١٧ - فاكس: ٥٦٦٤٦٦٨

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SAFETY DATA SHEET

according to Commission Regulation (EU) No 2015/830



الكربونات الأردنية
Jordan Carbonate

JorCal CALCIUM CARBONATE

Version	Revision Date:	SDS Number:	Date of last issue: 26.03.2024
3.2	26.03.2024	PR00000-01	Date of first issue: 26.05.2021

Partition coefficient: n-octanol/water : Not applicable

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

Natural Calcium Carbonate.:

Assessment : Non-classified PBT substance
Non-classified vPvB substance

12.6 Other adverse effects

Product:

Additional ecological information : In solid state these minerals are a major part of the rocks of the earth's surface.
They are dissolved in a natural state and indispensable part of the natural waters.
These minerals are not biodegradable.
Negative effects on the environment should therefore be excluded.
Restrictions may indicate that concentrated suspensions with these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and - fauna in the sediment and subsequent detriment to the existence of higher water organisms).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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SAFETY DATA SHEET

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الكربونات الأردنية
Jordan Carbonate

JorCal CALCIUM CARBONATE

Version	Revision Date:	SDS Number:	Date of last issue: 26.03.2024
3.2	26.03.2024	PR00000-01	Date of first issue: 26.05.2021

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances
Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable



SAFETY DATA SHEET

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JorCal CALCIUM CARBONATE

Version 3.2 Revision Date: 26.03.2024 SDS Number: PR00000-01 Date of last issue: 26.03.2024
Date of first issue: 26.05.2021

15.2 Chemical safety assessment

Chemical Safety assessment is not required

SECTION 16: Other information

Full text of other abbreviations

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Sources of key data used to compile the Safety Data Sheet : Information taken from reference works and the literature.



SAFETY DATA SHEET

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Date of last issue: 26.03.2024
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

شركة الكربونات الأردنية
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