



Calcium chloride flakes

FORMULA : CaCl₂·2H₂O

(CAS : 10035-04-8 / EINECS : 233-140-8)

Calcium chloride dihydrate

Suitable for applications in the food industry:

- Growing apples, endives, tomatoes, ...
- Dairy products and cheese
- Remineralization of water
- Storage
- Refrigeration
- Fertilizers

COMPOSITION

Calcium chloride : min. 75 % [78]

PHYSICAL PROPERTIES

Visual aspect : white, odourless flakes
Density (25°C) : 1.85 kg/l
Specific gravity (free flowing) : 0.8 – 0.9 kg/l

Granulometry (typical values)

< 8 mm : 97.5 %
< 4 mm : 48.3 %
< 2 mm : 4.3 %
< 1 mm : 1.2 %
< 0.5 mm : 0.7 %

CHEMICAL ANALYSIS

Mg and alkali salts : max. 40 g/kg [24]
Alkalinity (as Ca(OH)₂) : max. 1.5 g/kg [0.6]
F : max. 40 ppm [< 40]
Pb : max. 5 ppm [0.3]
As : max. 3 ppm [< 3]
Hg : max. 1 ppm [< 1]

Typical values

Na : 4 g/kg
Water insoluble : 1.1 g/kg
SO₄ : 2.3 g/kg
Fe : 9 ppm

MICROBIOLOGICAL ANALYSIS

Not applicable.

[] typical value

PACKING

25 kg bags

SHELF LIFE/STORAGE CONDITIONS

Shelf life : 36 months after production date.
Store away from humidity !

SAFETY REGULATION

Danger symbol : Irritant (Xi).

The safety data sheet is available on request.



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NUTRITIONAL COMPOSITION (per 100 g)

Energy value	kCal	Alcohol	g
Carbohydrates	0 g	Organic acid	g
- sugars	g	Aluminium (Al)	mg
- polyols	g	Calcium (Ca)	28165 mg
- starches	g	Chlorine (Cl)	50475 mg
Fat	0 g	Phosphorous (P)	mg
- saturated	g	Iron (Fe)	mg
- mono-unsaturated	g	Iodine (J)	mg
- poly-unsaturated	g	Potassium (K)	mg
- cholesterol	mg	Sodium (Na)	400 mg
Protein	0 g	Magnesium (Mg)	mg
Fibres	g	Zinc (Zn)	mg

ALLERGENS (see ALBA-allergen list) (X = present)

(see also Directive 2000/13/EC, with amendments 2003/89/EC, 2006/142/EC and 2007/68/EC)

Cacao	<input type="checkbox"/>	Eggs	<input type="checkbox"/>
Barley (*)	<input type="checkbox"/>	Glutamate	<input type="checkbox"/>
Gluten	<input type="checkbox"/>	Oat	<input type="checkbox"/>
Kamut	<input type="checkbox"/>	Chicken	<input type="checkbox"/>
Milk protein	<input type="checkbox"/>	Coriander	<input type="checkbox"/>
Lactose	<input type="checkbox"/>	Lupin	<input type="checkbox"/>
Maize	<input type="checkbox"/>	Milk (*)	<input type="checkbox"/>
Mustard	<input type="checkbox"/>	Nuts (oil) (*)	<input type="checkbox"/>
Pulses	<input type="checkbox"/>	Peanuts (oil)	<input type="checkbox"/>
Rye	<input type="checkbox"/>	Beef	<input type="checkbox"/>
Crustaceans and Shellfish	<input type="checkbox"/>	Celery	<input type="checkbox"/>
Sesame (oil, seeds)	<input type="checkbox"/>	Soy (beans, protein, lecithin)	<input type="checkbox"/>
Spelt	<input type="checkbox"/>	Sulphite (> 10 mg SO ₂ / kg)	<input type="checkbox"/>
Wheat (*)	<input type="checkbox"/>	Pork	<input type="checkbox"/>
Fish (*)	<input type="checkbox"/>	Molluscs	<input type="checkbox"/>
Carrot	<input type="checkbox"/>	Sulphur dioxide (> 10 mg SO ₂ / kg)	<input type="checkbox"/>

(*) Exceptions : see Directive 2007/68/EC

Product suitable for following diets

Vegetarian	yes <input checked="" type="checkbox"/> / no <input type="checkbox"/>
Vegan	yes <input checked="" type="checkbox"/> / no <input type="checkbox"/>
Halal	yes <input type="checkbox"/> / no <input type="checkbox"/>
Kosher	yes <input type="checkbox"/> / no <input type="checkbox"/>
Celiac disease sensitive	yes <input type="checkbox"/> / no <input type="checkbox"/>
Lactose intolerant	yes <input type="checkbox"/> / no <input type="checkbox"/>



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QUALITY MANAGEMENT SYSTEM

Producer

Several approved producers

Quality management system following:

ISO 9001:2008

HACCP

GMP+ animal feed (PDV)

ISO 9001:2000

HACCP

REGULATORY INFORMATION

CALCIUM CHLORIDE 77-80% FLAKES (E509) FOOD complies with:

- EC Directive 96/77/EC on food additives other than colors and sweeteners (see E509 : Calcium chloride)

The production plant complies with:

- EC Regulation n° 852/2004 on hygienic requirements for the manufacturing of raw materials in the food industry

BSE/TSE-STATEMENT

The used ingredients for CALCIUM CHLORIDE 77-80% FLAKES (E509) FOOD are not of animal origin. The processing equipment and the packing material which is used to manufacture, pack or fill the products into the packing units do not come into contact with any meat or meat-by product.

GMO-STATEMENT

CALCIUM CHLORIDE 77-80% FLAKES (E509) FOOD does not contain genetically modified organisms and is not produced using raw materials of a genetically modified origin. At no stage during production does the product come into contact with genetically modified organisms. CALCIUM CHLORIDE 77-80% FLAKES (E509) FOOD is falling under the scope of the EC Regulation n° 1829/2003 on genetically modified food and feed and the EC Regulation n° 1830/2003 on the traceability and labeling of genetically modified organisms and the traceability of products derived from them and to modification of Directive 2001/18/EC.

IONIZATION

CALCIUM CHLORIDE 77-80% FLAKES (E509) FOOD is not treated with ionizing radiation (Directive 1999/2/EC and 1999/3/EC).

Information in this publication is believed to be accurate and is given in good faith, but it is for the customer to satisfy itself of the suitability for its own particular purpose.

No representation, warranty or guarantee is made as to its accuracy, reliability or completeness.