

## Calcium fluoride, synthetic

Chemical name: Calcium fluoride, calcium difluoride (IUPAC)  
 Synonyms: Calcium fluoride  
 Trade names: Calcium fluoride, synthetic, first grade

Structural formula:  $F^- Ca^{2+} F^-$   
 REACH No.: 02-2120040698-49-0000

Customs tariff number: 28 2720 0000

Components	Mass fraction, %
Calcium fluoride CAS No.7789-75-5 EC No.232-188-7	over 98

Quality parameters				
No.	Parameters	Guaranteed value	U.M.	Test method
1	Appearance	Powder, from white to cream	-	Visual
2	Mass fraction of calcium fluoride (CaF <sub>2</sub> ), min	98.0	%	Titrimetry
3	Mass fraction of iron as Fe <sub>2</sub> O <sub>3</sub> , max	0.1	%	Titrimetry
4	Mass fraction of chloride-ions, max	0.2	%	Titrimetry
5	Mass fraction of water, max	0.1	%	Gravimetric
6	Mass fraction of SiO <sub>2</sub> , max	0.4	%	Titrimetry
7	Mass fraction of mesh residue, mesh number 014, max	0.2	%	Gravimetric
8	Mass fraction of mesh residue, mesh number 020, max	0.1	%	Gravimetric
9	Average particle size, D50	0.5-2.5	%	Laser diffraction analysis
10	Particle size, D90, max	4.5	%	Laser diffraction analysis

Guaranteed shelf life of Calcium fluoride, synthetic - 12 months from the date of manufacture. Upon expiration of the given period, before use, the product should be checked for compliance with the requirements of the specification.

### FIELD OF APPLICATION

As filler for special heat-resistant rubbers.

### PACKING

Double PE bags, a neck of a bag is sealed with a plastic clip-lock. PE bags are put into boxes made of corrugated cardboard.

## STORAGE CONDITIONS

Packaged product is stored indoors in clean dry warehouses. Storage temperature is not regulated.

## TRANSPORTATION

### Land transport:

ADR/RID class: Not classified as dangerous goods

DOT(USA) / TDG(CANADA) class: Not established

UN number: NA

Proper shipping name: Calcium fluoride

### Sea transport:

IMO/IMDG code: Not classified as dangerous goods

Marine pollutant: No

UN number: NA

Proper shipping name: Calcium fluoride

### Air transport:

ICAO/IATA class: Not classified as dangerous goods

UN number: NA

Proper shipping name: Calcium fluoride

## HAZARD LEVEL OF CHEMICAL PRODUCTS

Skin irritation (Eye Irrit. 2)

Eye irritation (Category 2)

Specific target organ toxicity - single (STOT Rep. Exp. 1)

### Warning marking (according to GHS):



### Warning.

H315: Causes skin irritation

H319: Causes serious eye irritation.

H335: May cause respiratory irritation

Please consult our Safety Data Sheet (English).

\*Product Specifications are subject to amendment and may change over time.  
For Safety Data Sheet other languages than English please contact us.