

CaCl₂

CALCIUM CHLORIDE

GOST 450-77 revision 1-3



Technical properties:

Indicator description	Calcined The first grade	Liquid
Formula	CaCl ₂	CaCl ₂ * n H ₂ O
Appearance	Powder of white granules	Solution of yellowish-gray or greenish color, clear or with light haze
Mass fraction of calcium chloride, %, minimum	90	35*
Mass fraction of magnesium calculated as MgCl ₂ , %, maximum	0.5	Not rated
Mass share of other chlorides, including MgCl ₂ , calculated as NaCl, %, maximum	Not rated	3
Mass fraction of iron, (Fe), %, maximum	0.004	Not rated
Mass share of water-insoluble residue, %, maximum	0.5	0.15

* In the period from October to April, the mass fraction of calcium chloride is not less than 30%.

APPLICATION. Calcium chloride is most commonly used in the oil and gas and petrochemical industry (as a component of fluids for extinguishing wells, drilling mud fluids), in the chemical industry (as dehydrators in production of ethers, gases, for production of paints), in construction and operation of motor roads (as deicing agents).

PACKING AND TRANSPORTATION. Solid calcium chloride is packed in one-time soft special containers with a mass not more than 1,000 kg. It is transported by any type of transport in accordance with Goods Transport Rules applicable for this type of vehicle. Liquid calcium chloride is transported in railway cisterns with top discharge and tank containers on flat cars.

GUARANTEED SHELF LIFE. Guaranteed shelf life of calcium chloride is 8 months from the manufacture date.

CERTIFICATION. Calcium chloride has a Compliance certificate and an Applicability Certificate in TEKSERT system to be used in the oil production and oil processing industry. Product safety is certified by the Safety Data Sheet. The product is not subject to mandatory conformity verification in the form certifications and declaration.

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