

33% ROAD GRADE LIQUID CALCIUM CHLORIDE

Product Data Sheet

General Description

Road grade calcium chloride (CaCl_2) is produced to suit the specific needs of our road maintenance and deicing customers. Our ISO system ensures that our high standards of production are maintained and improved.

Applications

TETRA Road grade calcium chloride is used mainly for maintenance of gravel and dirt roads and in deicing applications on paved and unpaved surfaces.

Calcium chloride is both hygroscopic and deliquescent. These related properties both involve absorption of atmospheric moisture and retention of moisture present in the soil, making it ideal for dust binding on gravel and dirt roads. Unpaved surfaces treated with this product, when cured and compacted, form a hard and smooth riding surface, significantly reducing dust displacement.

Calcium chloride is a very effective deicing agent. calcium chloride is effective to temperatures as low as -30°C . The use of calcium chloride to melt snow and ice and to prevent low friction conditions is an efficient tool in any winter road maintenance program.

Availability

Road grade calcium chloride is produced in the Netherlands, Finland, and Sweden. It is available worldwide through our network of distributors as a bulk liquid in vessel or tank truck or in other packaging upon request.

Safety and Handling

Calcium chloride is a strong salt. Protective clothing, rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas, since calcium chloride can damage leather. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS (available on the Company's website) for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

PHYSICAL PROPERTIES

Appearance	Clear to slightly yellow
Odor	None
Crystallization Temperature	-30°C
Typical Density at 20°C	1330 kg/m^3

CHEMICAL PROPERTIES

	Specification	Typical Value
CaCl_2 Concentration	> 33%	33.5%
pH (in 5% CaCl_2 solution @ 20°C)	9 - 11	10.1
Insoluble in water	< 0.05%	< 0.01%
Fe	10 mg/kg	3 mg/kg
Na	< 0.6%	0.3%
SO_4	< 0.05%	< 0.08%
NH_3	< 0.01%	< 0.01%

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