

Calcium Chloride Flake 77-80% Tech Grade

General Description

Technical grade calcium chloride is produced with special attention to quality and consistency. Our ISO system ensures that our high standards are maintained and improved.

Applications

Technical grade calcium chloride is used in a multitude of applications within a wide variety of industries. It is used:-

- ✚ In water purification to precipitate fluorides, sulphates and phosphates
- ✚ As an agent to remove moisture in domestic and industrial applications.
- ✚ As an additive in concrete to decrease setting time, especially in cold weather conditions
- ✚ In the oil industry to provide high density clear brine fluids.
- ✚ In the pulp and paper industry to improve printability.
- ✚ For alginate production as a thickening agent.
- ✚ As an emulsion breaking agent in latex and plastic production.

Availability

Solid technical grade calcium chloride flakes are produced in Finland. Solid technical grade calcium chloride is available in the following packaging options.

| SOLID TECHNICAL GRADE cAcL₂ PACKAGING | | |
|---|-------------------------|--------------|
| Package | Dimensions LxWxH | Units |
| 25 kg bag | 1080x1070x1050 | 42/pallet |
| 1000 kg big bag | 1000x1000x1350 | 1 |
| Bulk | N/A | N/A |

Also available in 500kg bags on 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 from Peacock Salt) for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

Calcium chloride is a hygroscopic product and should be stored indoors on pallets at normal temperatures. If stored according to recommendations, the maximum shelf life is two (2) years.

JC PEACOCK & COMPANY LTD, NORTH HARBOUR, AYR, KA8 8AE – TEL 01292 292 000 – FAX 01292 292 001

Important Note: The information contained in this document is given in good faith and is to the best of suppliers Knowledge correct at the date of publication, but it is for the users to satisfy themselves of the suitability of the product for their purpose.

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Physical Properties

| | |
|--------------|------------------------------|
| Appearance | White flakes |
| Odour | None |
| Bulk density | 800 to 900 kg/m ³ |

Chemical Properties

| | Specification | Typical Value |
|---|---------------|---------------|
| CaCl ₂ Concentration | > 77% | 78% |
| Residual mass as H ₂ O | N/A | 18-22% |
| pH (in 10% CaCl ₂ solution @ 20°C) | 9 – 11 | 10.4 |
| Na | < 1% | 0.7% |
| Alkalinity as Ca(OH) ₂ | < 0.3% | 0.1% |
| Insoluble in water | < 0.20% | 0.05% |
| Mg | < 200 mg/kg | 60 mg/kg |
| SO ₄ | < N/A | < 0.01% |
| Fe | < 5 mg/kg | 1 mg/kg |

Typical Sieve Analysis

| Sieve | Approximate % passing |
|--------|-----------------------|
| 6.3 mm | 100 |
| 4 mm | 90 |
| 2 mm | 30 |
| 1 mm | 10 |

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