

HIGH-POTENCY COMMERCIAL & INDUSTRIAL GRADE

DOWFLAKE™ XTRA

83–87% Pure Calcium Chloride Flakes • OxyChem®

PACKAGING FORMAT
50 lb (22.7 kg) Bags

ACTIVE CONCENTRATION
83–87% CaCl_2

MELTING ACTION
Exothermic (Releases Heat)

INDUSTRY STANDARDS
ASTM D98 / AASHTO M144

MELTING POINT
1,422°F (772°C)

PRODUCT OVERVIEW

DOWFLAKE™ XTRA is a premium, high-potency calcium chloride flake containing 83–87% pure CaCl_2 . Manufactured in the USA from natural calcium-rich brine, it delivers significantly higher active concentration than standard 77% flakes—yielding more melting power, superior dust control, and faster concrete set acceleration per pound.

Exothermic Advantage: Dissolves instantly upon contact with moisture, releasing significant heat to melt ice down to sub-zero temperatures where conventional rock salt fails.

KEY PERFORMANCE ADVANTAGES

- **Powerful Exothermic Action:** Releases substantial heat of solution upon moisture contact, penetrating hard-pack ice and snow far faster than endothermic alternatives.
- **Superior Flake Coverage:** Flake geometry stays in place upon application, preventing rolling or bouncing off sloped pavements, stairs, roads, and walkways.
- **Highly Hygroscopic & Deliquescent:** Attracts atmospheric moisture to form a heavy, dust-binding liquid film on gravel roads, unpaved lots, and construction sites.
- **Accelerated Concrete Setting:** Speeds up concrete hydration and early strength development in cold-weather pours, reducing project downtime.
- **Certified Industrial Quality:** Fully compliant with ASTM D98 and AASHTO M144 standard specifications for industrial calcium chloride.

VERSATILE COMMERCIAL APPLICATIONS

- Commercial Ice & Snow Melting
- Concrete Acceleration (Cold Weather)
- Tire Weighting & Ballast
- Gravel Road Dust Control
- Industrial Brine Refrigeration
- Full-Depth Reclamation (FDR)

DOWFLAKE XTRA 50 lb Bag

50 lb (22.7 kg) Poly Bag

Moisture-proof, tear-resistant poly packaging

TECHNICAL SPECIFICATIONS

Calcium Chloride	83 – 87% (CaCl_2)
Water (Hydrate)	8 – 14% (H_2O)
Potassium Chloride	2 – 3% (KCl)
Sodium Chloride	1 – 2% (NaCl)
CAS Number	10043-52-4
Appearance	White Flakes
Bulk Density	51 – 61 lb/ft³
DOT / IATA	Non-Regulated
GHS Classification	Eye Irrit. 2A Oral Tox. 4

HANDLING & STORAGE

Store in dry, covered conditions protected from ambient humidity. Reseal partially used bags tightly to prevent moisture absorption and caking.