



HERSCHEL JAMES • INDUSTRIAL STRENGTH

CALCIUM CHLORIDE 94-97% PELLETS

PREMIER SNOW & ICE MELTER | INDUSTRIAL GRADE | DUST CONTROL

⚡ THE HEAT IS ON: MELTS ICE & SNOW DOWN TO -25°F (-31°C) • EXTREME LOW-TEMP PERFORMANCE



🔥 94-97% PURE CaCl_2 PELLETS

❄️ OPERATES TO -25°F (-31°C)

📦 50 LB (22.68 KG) POLY BAG

WHY CHOOSE HERSCHEL JAMES?

⚡ Instant Penetration & 3x Speed

94-97% pure calcium chloride penetrates ice up to 3 times faster than standard rock salt or alternative melters.

🔥 Exothermic Heat Release

Actively generates melting heat upon contact with moisture, dissolving snow and ice even in deep freeze conditions.

❄️ Extreme Cold Performance (-25°F)

Maintains high melt capacity down to -25°F (-31°C) where traditional rock salt loses all effectiveness.

🛡️ Enhanced Facility Safety

Rapidly clears foot traffic and vehicle paths on walkways, driveways, loading docks, and parking lots.

THE SCIENCE OF ICE & SNOW CONTROL

1. Hygroscopic Action

Aggressively draws moisture from surrounding air and snow, jump-starting liquid brine formation faster than non-hygroscopic compounds.

2. Exothermic Heat

Unlike endothermic salt which absorbs ambient heat, Herschel James actively produces chemical heat as it dissolves to melt ice rapidly.

3. Concentrated Geometry

Spherical pellets focus weight and chemical energy on a minimal contact point, boring directly downward to break the ice-to-pavement bond.

CHEMICAL DE-ICERS QUICK COMPARISON

PRODUCT	MELTING SPEED	LOWEST EFFECTIVE TEMP	MELT VOL. (20°F / 20M)	ICE PENETRATION
Herschel James 94-97% Pellets	FASTEST Across All Temps	-25°F (-31°C)	High (3.10 ml/g)	Fastest (0.55 mm/mg)
Rock Salt (NaCl)	Significantly Slower	+20°F (-7°C)	Moderate (1.60 ml/g)	Moderate (0.33 mm/mg)
Magnesium Chloride Pellets	Slower (High Moisture Content)	-13°F (-25°C)	Lower (1.20 ml/g)	Moderate (0.30 mm/mg)
Potassium Chloride (KCl)	Very Slow Melting Action	+25°F (-4°C)	Very Low (0.40 ml/g)	Slow (0.21 mm/mg)
Calcium Magnesium Acetate (CMA)	Least Cost-Effective Speed	+20°F (-7°C)	Minimal (0.20 ml/g)	Very Slow (0.04 mm/mg)

YEAR-ROUND INDUSTRIAL USES

- **De-Icing & Freeze Prevention:** Commercial, municipal & industrial site clearing.
- **Dust Suppression:** Locks down fugitive dust on unpaved roads, haul paths & construction.
- **Concrete Accelerator:** Sets concrete rapidly in cold-weather pours.
- **Oil Field Maintenance:** High-density fluid additive for drilling and completion.

DIRECTIONS & PACKAGING SPECS

- **Application:** Clear loose snow/slush. Evenly sprinkle pellets. Shovel melted slush.
- **Packaging:** 50 lb (22.68 kg) Heavy-Duty Poly Bags
- **Chemical CAS #:** 10043-52-4 | **Grade:** Industrial Grade
- **Distributor:** I-Lawrence, LLC | Sparrows Point, MD 21219

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