

MAG[®] FLAKES

Magnesium Chloride Hexahydrate • Total Ice & Dust Control

PACKAGING FORMAT

50 lb (22.68 kg) Bags

ACTIVE CHEMISTRY

 $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$

SAFETY PROFILE

Non-Hazardous / GHS 0

TOXICITY (ORAL LD50)

8,100 mg/kg (Ultra Safe)

CONCRETE SAFETY

Significantly Less
Spalling

PRODUCT OVERVIEW

MAG[®] Flakes is a premium, naturally harvested magnesium chloride hexahydrate deicer and dust suppressant. Derived from natural seawater brine sources, MAG delivers high-performance ice melting down to sub-zero temperatures while being remarkably gentle on concrete, environmentally friendly, and safe to handle around plants, pets, and personnel.

Safer for Nature & Infrastructure: Naturally occurring mineral composition creates far less chloride stress on surrounding vegetation, soil, and cured concrete pavements compared to calcium chloride or rock salt.

KEY PERFORMANCE ADVANTAGES

- **Starts Working Immediately:** Highly hygroscopic flakes dissolve rapidly upon moisture contact to form a concentrated brine, melting ice fast at low temperatures.
- **Significantly Less Damaging to Concrete:** Independent testing proves magnesium chloride causes significantly less concrete spalling and freeze-thaw scaling than standard deicers.
- **Leaves No Residue:** Dissolves cleanly without leaving oily films, heavy white powder, or abrasive tracking on entryway rugs and indoor floors.
- **Exceptionally Low Toxicity:** With an oral LD50 of 8,100 mg/kg (almost 3x safer than table salt), MAG is non-irritating to skin and safer for pets and children.
- **Year-Round Multi-Use Performance:** Highly effective in winter for snow and ice removal, and throughout spring/summer for gravel road stabilization and dust suppression.

DUAL-SEASON APPLICATIONS

- Commercial Walkways & Plazas
- Pet-Friendly Residential Areas
- Decorative & Stamped Concrete
- Gravel Road & Parking Dust Control
- Equestrian Arenas & Horse Tracks
- Construction Haul Roads & Yards

MAG Flakes 50 lb Bag

50 lb (22.68 kg) Bag

Durable moisture-barrier commercial poly packaging

TECHNICAL SPECIFICATIONS

Active Chemical	Magnesium Chloride
Chemical Formula	$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$
CAS Number	7791-18-6
Appearance	White Flakes
Odor	None / Odorless
pH (10% aq.)	8.2
Melting Point	118°C (244°F)
Bulk Density	800 – 900 kg/m ³
NFPA Rating	H: 0 F: 0 R: 0
DOT / IATA	Non-Regulated

HANDLING & STORAGE

Store in a dry, well-ventilated location protected from direct exposure to ambient humidity. Keep bags tightly sealed to preserve flake integrity.