Magnesium Chloride – 46% Flake

CAS Number: 7791-18-6
Chemical Formula: $MgCl_2 \cdot 6H_2O$

Magnesium Chloride 46% Flake is a white, hygroscopic material supplied as hexahydrate. It is widely used in dust suppression, de-icing, and as a functional raw material across multiple industrial and agricultural applications.

KEY FEATURES & APPLICATIONS

- Effective dust control agent for roads, construction, and industrial sites
- Snow and ice melting agent with high solubility
- Soil stabilizer and agricultural supplement
- Feed additive in animal nutrition
- Used in aquaculture and water treatment
- Functional additive in textile, cement, and paper industries

PRODUCT SPECIFICATIONS

Item	Specification
$MgCl_2 \cdot 6H_2O$	≥ 99%
$MgCl_2$	≥ 46%
Alkali Metal Chloride (Cl^-)	≤ 0.5%
Ca^{2+}	≤ 0.15%
SO_4^{2-}	≤ 0.20%
Water Insoluble	≤ 0.10%
Appearance	White Flake

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 25 kg bags
- 50 lb bags
- 1000 kg big bags (palletized)
- Customized packaging available

STORAGE & HANDLING

- Store indoors in a dry area; reseal opened bags quickly to prevent moisture uptake.
- Magnesium Chloride is highly hygroscopic; exposure to air will cause clumping.
- Stable for up to two years under suitable storage conditions.
- Mixing with water generates heat — take precautions during dissolution.

SAFETY

- Avoid inhalation of dust; use goggles and a dust mask during handling.
- Wear protective gloves and clothing to avoid skin irritation.
- In case of eye contact, flush with plenty of water and seek immediate medical attention.