

Product Data Sheet



9900 West 109th Street – Suite 100
Overland Park, Kansas 66210
Phone 800-755-7258 Fax 800-359-7258

MAGNESIUM CHLORIDE INDUSTRIAL CRYSTAL

PRODUCTION LOCATION

Ogden, Utah

PRODUCT DESCRIPTION

Industrial grade magnesium chloride flakes produced from the Great Salt Lake in Utah by industry standard solar evaporation technology. The product is then treated to remove sulfates, filtered to remove impurities, flaked, quality control tested and packaged.

TYPICAL SCREEN ANALYSIS

Retained and Cumulative

U.S.S Mesh	Tyler Mes	Open. (In.)	Ret. %	Range %	Cum. %	Range %
4	4	0.187	7.5	0 – 22	7.5	0 – 22
6	6	0.132	51.2	27 – 76	58.7	28 – 89
8	8	0.093	31.3	14 – 49	90.0	74 - 100
12	10	0.066	9.5	0 – 24	99.6	98 - 100
16	14	0.064	0.3	0 – 1	99.9	99 – 100
Pan	Pan		0.1	0 – 1		

Average Particle Size 0.141 inches (5.66 mesh)

PHYSICAL PROPERTIES

Bulk Density 50 lbs/cubic foot

Typical Analysis		Typical		Range
Magnesium Chloride	MgCl ₂	(%)	47.3	43.4 – 51.2
Potassium	K	(%)	0.05	0.0 – 0.14
Sodium	Na	(%)	0.48	0.0 – 1.23
Sulfate	SO ₄	(%)	0.64	0.0 – 2.45
Calcium	Ca	(%)	0.22	0.0 – 0.68
Water	H ₂ O	(%)	51.3	44.3 – 56.6

Product And Pallet Specifications	50 lbs.	IBC 2000 lbs
Pallet Layout (Layer X Units)	5 x 10	
Units per Pallet	50	1
Weight per Pallet (lb.)	2525	2060
Height per Pallet (in.)	31	36
Cubic Feet per Pallet	34.4	40.0
Pallet Size (in.)	48 x 40	48 x 40
Pallet Weight (lb.)	60	60
Product Dimension (in.)	25 x 15 x 4	35 x 35 x 37
Product volume (ft ³)	0.86	26.2

METHOD OF ANALYSIS

All testing is from Compass Minerals' internal quality control procedures, which are available upon request.

Product Description and Codes	New Product Code	Product Code
50 lb poly bag	765126	21320
IBC	765206	22460

ADMIXTURES

None

December 2017