



Magnesium Sulfate, 18% Solution

PRODUCT BULLETIN

CAS NUMBER: 7487-88-9

CHEMICAL FORMULA: MgSO₄ in aqueous solution

DESCRIPTION: A clear, water-white to slight amber color, odorless solution made from the reaction of magnesium oxide and sulfuric acid.

APPLICATION:
CA fiber stabilizer in oxygen delignification processes.
CProduction of magnesium hydroxide.
CHydrogen peroxide manufacturing.

CHEMICAL AND PHYSICAL PROPERTIES:

	Minimum	Maximum	Typical
*MgSO ₄ % by wt.	17.5	18.5	18.0
*Specific Gravity @ 25EC	1.183	1.210	1.197
*pH	5.0	8.0	6.5
Baumé @ 25EC	22.9	24.9	23.9
Density (lbs/gal)	9.87	10.10	9.98
Crystallization Point (EF)	-	-	28
Iron as Fe (ppm)	-	5	-
Heavy Metals (ppm)	-	5	-
Chlorides (ppm)	-	50	-

*Certificate of Analysis Properties

PACKAGING: 4,500 gallon stainless-steel tank trucks, railcars, intermediate bulk containers, and 55 gallon drums.

HANDLING & STORAGE:

Materials of Construction:

Storage tanks - 304 SS, 316 SS, rubber-lined carbon steel, or FRP.

Pumps - 304 SS, 316 SS, or Teflon lined.

Piping - 316 SS, 304 SS, PVC, FRP, or CPVC.

Storage temperature - 28E - 100EF

(over)

SAFETY: Magnesium Sulfate Solution should be handled in open or well ventilated areas. Eye contact is prevented through the use of safety glasses, goggles and/or face shield. Copious amounts of water should be used to remove magnesium sulfate solution. **Do not use this product until the MSDS has been read, understood, and required safety precautions are followed.**

SHIPPING POINTS: Baton Rouge, Louisiana and Chickasaw, Alabama

DOT MARKINGS: Not regulated.

SALES OFFICE

For Product Information:
TEL: 662-494-3055
FAX: 662-494-2828

Post Office Drawer 1217
West Point, MS 39773

To Place an Order:
TEL: 800-953-3585
FAX: 800-953-3588

IMPORTANT

The information on this Product Bulletin is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.