

Run Date: 09/28/99
I/M Date: 09/28/99

CHEM ONE CORPORATION
8017 PINEMONT DRIVE
HOUSTON, TEXAS 77040-6519

Page: 1
Time: 01:53 PM

ITEM: MGS7MPI50L40 MAGNESIUM SULFATE HEPTAHYDRATE

REF:PDS FOR PI PRODUCT DATA SHEET REV: 09/20/99 RCT DATE:

SYNONYMS : EPSOM SALT	CHEMICAL FORMULA: MgSO4.7H2O
:	CAS NUMBER : 10034-99-8
APPEARANCE: COLORLESS TO WHITE	MOLECULAR WEIGHT: 246.48
COUNTRY OF ORIGIN: GERMANY	PACKAGING : 50 LB BAG

THE FOLLOWING VALUES HAVE BEEN PROVIDED BY THE MANUFACTURER OF THIS PRODUCT.
VERIFIED AND DIGITALLY SIGNED BY CHEM INFO ANALYST, PHONE 713-896-9966.

	SPECIFICATIONS		TYPICAL
MgSO4.7H2O - PURITY.....	98.5	% MIN	99.74-99.78%
MAGNESIUM SULFATE (MgSO4)...	48.0	% MIN	48.85-49.09%
IGNITION LOSS.....	51.9	% MAX	50.79-51.05%
CHLORIDE (Cl).....	0.15	% MAX	0.012-0.018%
CALCIUM (Ca).....	0.05	% MAX	0.005-0.008%
pH 5%.....	5.0-9.2		6.1 - 6.3
MFG TYPICAL RESULTS			
ARSENIC (As)...	3.	PPM MAX	<0.02 PPM
CADMIUM (Cd)...	0.001	PPM MAX	0.001 PPM
CHROMIUM (Cr)...	0.05	PPM MAX	0.05 PPM
COPPER (Cu)...	0.02	PPM MAX	0.02 PPM
MERCURY (Hg)...	0.001	PPM MAX	<0.001 PPM
ALUMINUM (Al)...	0.20	PPM MAX	0.20 PPM
NICKEL (Ni)...	0.01	PPM MAX	0.01 PPM
LEAD (Pb)...	0.20	PPM MAX	0.20 PPM
ZINC (Zn)...	10.	PPM MAX	0.13 PPM
SELENIUM (Se)...	1.	PPM MAX	
HEAVY METALS (as Pb) 10.		PPM MAX	
MANGANESE (Mn)...			1. PPM
IRON (Fe)...			10. PPM
WATER INSOL RESIDUE	0.01	% MAX	
FREE ACID as H2SO4	0.01	% MAX	

BULK DENSITY 0.95 gr/cm3, ANGLE REPOSE 33 DEG, TYPICAL GRAIN SIZE 0.1-3mm

PLEASE READ MATERIAL SAFETY DATA SHEET PRIOR TO HANDLING THIS PRODUCT.
***FOR CHEMICAL EMERGENCY CALL CHEMTREC, DAY/NIGHT 1-800-424-9300 *** THIS
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