

## MATERIAL SAFETY DATA SHEET

PART NUMBER: 905-749823  
IDENTITY: CALIBRATION STANDARD 53%RH  
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.  
ADDRESS: 2400 BARRANCA PARKWAY  
IRVINE, CA 92606  
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DATE REVISED: 01/26/11  
PREPARED BY: R. MORRISON  
REVISED BY: T. PHILLIPS

### SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	%	OSHA PEL	ACGIH TLV	OTHER LIMIT	RECOMMENDED
MAGNESIUM NITRATE HEXAHYDRATE CAS#13446-18-9	<95%				
NON-HAZARDOUS INGREDIENTS TOTAL	>5% 100				

No health hazard or other information is available for the solution of the mixture. The following sections are based on information obtained from <http://www.jtbaker.com/msds/englishhtml/M0169.htm> and our best scientific understanding of the solution.

### SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	No information found
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	N/A
VAPOR PRESSURE (mm Hg/TEMPERATURE)	No information found
MELTING POINT	N/A
VAPOR DENSITY (AIR = 1)	No information found
EVAPORATION RATE (= 1)	No information found
SOLUBILITY IN WATER	125g/100ml water
WATER REACTIVE	No information found
APPEARANCE AND ODOR	Odorless clear solution

### SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USE	Not combustible, but substance is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition
FLAMMABILITY LIMITS IN AIR BY VOLUME LEL UEL	
EXTINGUISHER MEDIA	Use any means suitable for extinguishing surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURE	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with positive pressure mode
UNUSUAL FIRE AND EXPLOSION HAZARD:	Contact with oxidizable substances may cause extremely violent combustion.

### SECTION 4--REACTIVITY HAZARD DATA

STABILITY	STABLE__x	UNSTABLE__
CONDITIONS TO AVOID:	Heat, incompatibles	
INCOMPATIBILITY MATERIALS TO AVOID:	Dimethyl formamide, combustible, organic and oxidizable materials.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of nitrogen and toxic metal fumes may form when heated to decomposition.	
HAZARDOUS POLYMERIZATION:	MAY OCCUR__	WILL NOT OCCUR__x
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:	N/A	

