

**MATERIAL SAFETY DATA SHEET**

PART NUMBER: 905-757435  
IDENTITY: CALIBRATION STANDARD 97% R.H.  
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.  
ADDRESS: 2400 BARRANCA PARKWAY  
IRVINE, CA 92606  
TELEPHONE: 949/757-8500  
(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

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
POTASSIUM SULFATE CAS#7778-80-5	>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/P6137.htm> and our best scientific understanding of the solution.

**SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT	UNKNOWN
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	N/A
VAPOR PRESSURE (mm Hg/TEMPERATURE)	N/A
MELTING POINT	N/A
VAPOR DENSITY (AIR = 1)	N/A
EVAPORATION RATE (= 1)	No information found
SOLUBILITY IN WATER	Yes
WATER REACTIVE	No information found
APPEARANCE AND ODOR	Odorless, White granules of powder (dry form)

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

FLASH POINT AND METHOD USE	Not considered to be a fire hazard
AUTO IGNITION TEMPERATURE	N/A
FLAMMABILITY LIMITS IN AIR BY VOLUME	N/A
LEL	
UEL	
EXTINGUISHER MEDIA	Use any means suitable for extinguishing surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURE	
UNUSUAL FIRE AND EXPLOSION HAZARD:	Not considered to be an explosion hazard

**SECTION 4--REACTIVITY HAZARD DATA**

STABILITY	STABLE <u>x</u>	UNSTABLE <u>   </u>
CONDITIONS TO AVOID:	Stable under ordinary conditions of use and storage.	
INCOMPATIBILITY MATERIALS TO AVOID:	Aluminum and Magnesium	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of Sulfur and Potassium	
HAZARDOUS POLYMERIZATION:	MAY OCCUR <u>   </u>	WILL NOT OCCUR <u>x</u>
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:	N/A	

**SECTION 5--HEALTH HAZARD DATA**

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PRIMARY ROUTES OF ENTRY: INHALATION x SKIN ABSORPTION     
INGESTION x NOT HAZARDOUS x

CARCINOGEN LISTED: NPT    IRAC    OSHA    NOT LISTED x

**HEALTH HAZARDS**

ACUTE: Not Listed

CHRONIC: Not Listed

SIGNS AND SYMPTOMS OF EXPOSURE: Powder form may cause coughing.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No adverse health affects expected

**EMERGENCY FIRST AID PROCEDURES:**

EYE CONTACT: Wash thoroughly with running water. Get medical advice if irritation develops

SKIN CONTACT: Wash exposed area with soap and water. Get medical advice if irritation develops

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty

INGESTION: If large amounts were swallowed, give water to drink and get medical advice

**SECTION 6--CONTROL AND PROTECTIVE MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES

**VENTILATION TO BE USED**

LOCAL EXHAUST: yes

MECHANICAL (GENERAL): N/A

SPECIAL OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: goggles, gloves, and a lab coat

HYGIENIC WORK PRACTICES: yes

**SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Ventilate area of leak or spill. Wear appropriate personal protective equipment

WASTE DISPOSAL METHODS: Follow local and federal regulation for disposing

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Wear protective clothing and equipment.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: N/A

**RATING:**

HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIFIC