

# MATERIAL SAFETY DATA SHEET

PART NUMBER:905-135761

IDENTITY: 4M POTASSIUM CHLORIDE  
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.  
ADDRESS: 2400 BARRANCA PARKWAY  
IRVINE, CA 92606

DATE REVISED: 04/22/05  
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## SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	CAS#	%	OSHA PEL	ACGIH TLV	OTHER LIMIT RECOMMENDED
POTASSIUM CHLORIDE	7447-40-7	26.5			
NON-HAZARDOUS INGREDIENTS		73.5			
TOTAL		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/P5631.htm> and our best scientific understanding of the solution.

## SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	102°
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.3
VAPOR PRESSURE (mm Hg/TEMPERATURE)	N/A
MELTING POINT	-7.5°C
VAPOR DENSITY (AIR = 1)	N/A
EVAPORATION RATE (= 1)	N/A
SOLUBILITY IN WATER	COMPLETE
WATER REACTIVE	NO
APPEARANCE AND ODOR	CLEAR, COLORLESS, ODORLESS SOLUTION

## SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USE	N/A
AUTO IGNITION TEMPERATURE	N/A
FLAMMABILITY LIMITS IN AIR BY VOLUME	N/A
LEL	
UEL	

EXTINGUISHER MEDIA: USE ANY MEANS SUITABLE FOR SURROUNDING FIRE.

SPECIAL FIRE FIGHTING PROCEDURE: NOT CONSIDERED A FIRE HAZARD.

UNUSUAL FIRE AND EXPLOSION HAZARD: THIS IS AN AQUEOUS SOLUTION WHICH WILL NOT CATCH FIRE OR EXPLODE

## SECTION 4--REACTIVITY HAZARD DATA

STABILITY	STABLE <u>X</u>	UNSTABLE <u>  </u>
CONDITIONS TO AVOID:	N/A	
INCOMPATIBILITY MATERIALS TO AVOID:	N/A	
HAZARDOUS DECOMPOSITION PRODUCTS:	MAY EMIT TOXIC FUMES IN CASE OF FIRE.	
HAZARDOUS POLYMERIZATION:	MAY OCCUR <u>  </u>	WILL NOT OCCUR <u>X</u>

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: DOES NOT POLYMERIZE.

**SECTION 5--HEALTH HAZARD DATA** 905-135761

PRIMARY ROUTES OF ENTRY: INHALATION\_ SKIN ABSORPTION X  
INGESTION X NOT HAZARDOUS\_\_

CARCINOGEN LISTED: NPT\_\_ IRAC\_\_ OSHA\_ NOT LISTED X

**HEALTH HAZARDS**

ACUTE: SOLUTION WILL IRRITATE EYES, MAY IRRITATE SKIN.  
CHRONIC: UNKNOWN

**SIGNS AND SYMPTOMS OF EXPOSURE:**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PERSONS WITH IMPAIRED KIDNEY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

**EMERGENCY FIRST AID PROCEDURES:**

EYE CONTACT: FLUSH EYES WITH WATER 15 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT: WASH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING.

INHALATION: REMOVE TO FRESH AIR.

INGESTION: GIVE SEVERAL GLASSES OF WATER. IF LARGE AMOUNTS WERE SWALLOWED, SEEK 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:

MECHANICAL (GENERAL): X

SPECIAL OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: LAB COAT/ GOGGLES

HYGIENIC WORK PRACTICES: WASH HANDS AFTER HANDLING.

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

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: MOP.

WASTE DISPOSAL METHODS: DILUTE HEAVILY AND FLUSH IN DRAIN.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:

RATING:

HEALTH 0 FLAMMABILITY 0 REACTIVITY 1 SPECIFIC \_\_\_(CONTACT=2)