

## MATERIAL SAFETY DATA SHEET

PART NUMBER: 9210442  
IDENTITY: SOAKING SOLUTION (1% KOH in saturated KCl)  
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	CAS#	%	OSHA PEL	ACGIH TLV	OTHER LIMIT RECOMMENDED
POTASSIUM CHLORIDE	7447-40-7	26.5			
POTASSIUM HYDROXIDE	71769-53-4	1.0			
NON-HAZARDOUS INGREDIENTS TOTAL		72.5 100			

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/P5631.htm> and our best scientific understanding of the solution.

### SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT <1500 C  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1) 1.987 (Density)  
VAPOR PRESSURE (mm Hg/TEMPERATURE) no info found  
MELTING POINT 772C  
VAPOR DENSITY (AIR = 1) no info found  
EVAPORATION RATE (= 1) no info found  
SOLUBILITY IN WATER yes  
WATER REACTIVE no  
APPEARANCE AND ODOR white, powdery, crystal in dry form

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

FLASH POINT AND METHOD USE no info found  
AUTO IGNITION TEMPERATURE no info found  
FLAMMABILITY LIMITS IN AIR BY VOLUME no info found  
LEL no info found  
UEL no info found  
EXTINGUISHER MEDIA no info found  
SPECIAL FIRE FIGHTING PROCEDURE no info found  
UNUSUAL FIRE AND EXPLOSION HAZARD: no info found

### SECTION 4--REACTIVITY HAZARD DATA

STABILITY STABLE\_\_x UNSTABLE\_\_  
CONDITIONS TO AVOID: no info found  
INCOMPATIBILITY MATERIALS TO AVOID: **Bromine trifluoride; potassium permanganate plus sulfuric acid.**

HAZARDOUS DECOMPOSITION PRODUCTS: no info found

HAZARDOUS POLYMERIZATION: MAY OCCUR\_\_ WILL NOT OCCUR\_\_x  
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: n/a

**SECTION 5--HEALTH HAZARD DATA**

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

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

**HEALTH HAZARDS**

ACUTE:

CHRONIC: No information found.

SIGNS AND SYMPTOMS OF EXPOSURE: No information found.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No information found.

EMERGENCY FIRST AID PROCEDURES: Induce vomiting for ingestion, for contact with eyes or skin rinse for 15 minutes, for inhalation remove to fresh air, give artificial respiration, or give oxygen if needed

EYE CONTACT: Potassium chloride is moderate eye irritant. Redness, tearing, possible abrasion can occur.

SKIN CONTACT: Contact may cause irritation or rash, particularly with moist skin.

INHALATION: Inhalation of high concentrations of dust may cause nasal or lung irritation.

INGESTION: Large quantities can produce gastrointestinal irritation and vomiting. May produce weakness and circulatory problems. May affect heart. In severe cases, ingestion may be fatal.

**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: fume hood

MECHANICAL (GENERAL): n/a

SPECIAL OTHER (SPECIFY): n/a

PROTECTIVE CLOTHING AND EQUIPMENT: lab coat, safety goggles, gloves

HYGIENIC WORK PRACTICES: n/a

**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 as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

WASTE DISPOSAL METHODS: No information found

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: N/A

RATING:

HEALTH 2

FLAMMABILITY 0

REACTIVITY 1

SPECIFIC \_\_\_ contact=2