

MATERIAL SAFETY DATA SHEET

PART NUMBER: R-65
IDENTITY: 1N POTASSIUM HYDROXIDE
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 LIMITS RECOMMENDED
POTASSIUM HYDROXIDE	1310-58-3	6.	2mg/m ³	ppm	
NON-HAZARDOUS INGREDIENTS		94			
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/P5884.htm> and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 100°C
SPECIFIC GRAVITY (H₂O = 1) 1
VAPOR PRESSURE (mm Hg/TEMPERATURE) 24 mmHg @ 25°C
MELTING POINT N/A
VAPOR DENSITY (AIR = 1) N/A
EVAPORATION RATE (= 1) N/A
SOLUBILITY IN WATER COMPLETE
WATER REACTIVE N/A
APPEARANCE AND ODOR CLEAR, ODORLESS SOLUTION

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USED N/A
AUTO IGNITION TEMPERATURE N/A
FLAMMABILITY LIMITS IN AIR % BY VOLUME N/A
LEL N/A
UEL N/A
EXTINGUISHER MEDIA WATER SPRAY, CHEMICAL FOG, DRY
CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES UNKNOWN
UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS IS AN AQUEOUS SOLUTION WHICH IS NOT
FLAMMABLE OR EXPLOSIVE.

SECTION 4--REACTIVITY HAZARD DATA

STABILITY: STABLE X UNSTABLE ___
CONDITIONS TO AVOID: STRONG ACIDS
INCOMPATIBILITY, MATERIALS TO AVOID: STRONG ACIDS
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: MAY OCCUR___ WILL NOT OCCUR X
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: DOES NOT POLYMERIZE

SECTION 5--HEALTH HAZARD DATA: R-65

PRIMARY ROUTES OF ENTRY: INHALATION___ SKIN ABSORPTION___
INGESTION X NOT HAZARDOUS___

CARCINOGEN LISTED: NTP___ IARC___ OSHA___ NOT LISTED X
HEALTH HAZARDS

ACUTE: NAUSEA, DIZZINESS IF INGESTED; BURNS ON CONTACT
CHRONIC: UNKNOWN

SIGNS AND SYMPTOMS OF EXPOSURE: NAUSEA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: MAY CAUSE BURNS AND
INFLAMMATION

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH WATER 15 MINUTES.

SKIN CONTACT: WASH WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR.

INGESTION: SEEK MEDICAL ASSISTANCE IMMEDIATELY. DO NOT INDUCE VOMITING.

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: RECOMMENDED

MECHANICAL (GENERAL): REQUIRED

SPECIAL:

OTHER (SPECIFY): LAB COAT/APRON

PROTECTIVE CLOTHING AND EQUIPMENT:

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: RINSE AREA WITH WATER.
MOP.

WASTE DISPOSAL METHODS: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN DRY, ROOM-TEMPERATURE
AREA.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: UNKNOWN

RATING: HEALTH 3 FLAMMABILITY 0 REACTIVITY 1 SPECIFIC___