

MATERIAL SAFETY DATA SHEET

PART NUMBER: R-448
IDENTITY: Free Cl2 Electrolyte
MANUFACTURER: ROSEMOUNT ANALYTICAL INC. CAS #:
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

Table with 6 columns: COMPONENTS, CAS#, %, OSHA PEL, ACGIH TLV, OTHER LIMITS RECOMMENDED. Rows include POTASSIUM CHLORIDE, POTASSIUM HYDROGEN PHTHALATE, and NON-HAZARDOUS INGREDIENTS TOTAL.

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 , http://www.jtbaker.com/msds/englishhtml/P5521.htm and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 100°C
SPECIFIC GRAVITY (H2O = 1) SIMILAR TO WATER
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 COLORLESS, 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 N/A
SPECIAL FIRE FIGHTING PROCEDURES N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS IS AN AQUEOUS SOLUTION WHICH IS NOT EXPLOSIVE OR FLAMMABLE.

SECTION 4--REACTIVITY HAZARD DATA

STABILITY: STABLE X UNSTABLE__
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE
HAZARDOUS POLYMERIZATION: MAY OCCUR___ WILL NOT OCCUR X

SECTION 5--HEALTH HAZARD DATA: R-448

PRIMARY ROUTES OF ENTRY: INHALATION___ SKIN ABSORPTION X
INGESTION X NOT HAZARDOUS

CARCINOGEN LISTED: NTP___ IARC___ OSHA___ NOT LISTED X
HEALTH HAZARDS

ACUTE: MODERATE TOXICITY BY INGESTION
CHRONIC: UNKNOWN

SIGNS AND SYMPTOMS OF EXPOSURE: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: MAY CAUSE SKIN IRRITATION

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH WATER 15 MINUTES.

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.

INHALATION: MOVE TO FRESH AIR.

INGESTION: DRINK LARGE AMOUNTS OF WATER; SEEK MEDICAL ATTENTION

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):
SPECIAL:

OTHER (SPECIFY): N/A
PROTECTIVE CLOTHING AND EQUIPMENT: LAB COAT
HYGIENIC WORK PRACTICES: WASH HANDS THOROUGHLY AFTER USE.

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: DILUTE WITH LARGE AMOUNTS OF WATER.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AT ROOM TEMPERATURE.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:

RATING:
HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 SPECIFIC none