

MATERIAL SAFETY DATA SHEET

PART NUMBER: 1700641 (R-459)
IDENTITY: BUFFERED POTASSIUM IODIDE SOLUTION
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: 1/26/11
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 Sodium Acetate Trihydrate, Acetic Acid Glacial, Potassium Iodide, and Non-hazardous ingredients.

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/S2666.htm, http://www.jtbaker.com/msds/englishhtml/A0326.htm, http://www.jtbaker.com/msds/englishhtml/P5906.htm and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

Table with 2 columns: Property (Boiling Point, Specific Gravity, Vapor Pressure, etc.) and Value (100°C, <1.0, 11.4 mmHg @ 20°C, etc.).

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

Table with 2 columns: Hazard Property (Flash Point, Auto Ignition Temperature, etc.) and Value (N/A, CO2, DRY CHEMICAL FOAM, etc.).

SECTION 4--REACTIVITY HAZARD DATA

STABILITY: STABLE X UNSTABLE\_
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): CONCENTRATED OXIDIZER, STRONG ALKALIES
HAZARDOUS DECOMPOSITION PRODUCTS: WILL RELEASE FREE IODINE
HAZARDOUS POLYMERIZATION: MAY OCCUR\_\_ WILL NOT OCCUR X
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: DOES NOT POLYMERIZE

**SECTION 5--HEALTH HAZARD DATA:** 1700641 (R-459)

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

CARCINOGEN LISTED: NTP     IARC     OSHA     NOT LISTED X  
HEALTH HAZARDS

ACUTE: IRRITATION TO EYES, SKIN, MUCOUS MEMBRANES  
CHRONIC: DERMATITIS, ECZEMA

SIGNS AND SYMPTOMS OF EXPOSURE: SKIN IRRITATION, BURNING SENSATION, NAUSEA,  
DIZZINESS

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SKIN, RESPIRATORY DISORDERS

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH COLD WATER 15 MINUTES.

SKIN CONTACT: WASH THOROUGHLY WITH COLD AND SOAP.

INHALATION: REMOVE TO FRESH AIR. IF OVER-EXPOSED SEEK MEDICAL ASSISTANCE.

INGESTION: SEEK MEDICAL ASSISTANCE. 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): YES

SPECIAL:

OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: LAB COAT/APRON

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: FLUSH WITH WATER AND  
BAKING SODA TO NEUTRALIZE; MOP.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN DRY, SAFE AREA.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: AVOID ANY CONTACT TO SKIN.

RATING: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIFIC 1 contact