

MATERIAL SAFETY DATA SHEET

PART NUMBER: 1700643 (R-459S)
IDENTITY: ACETATE BUFFER
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.
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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 (26%), Acetic Acid Glacial (6%), Non-hazardous ingredients (water 68%), and 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/S2666.htm http://www.jtbaker.com/msds/englishhtml/A0326.htm and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

Table with 2 columns: Property and Value. Properties include Boiling Point (100°C), Specific Gravity (<1.0), Vapor Pressure (11.4 mmHg @ 20°C), Melting Point (N/A), Vapor Density (2.07), Evaporation Rate (N/A), Solubility in Water (COMPLETE), Water Reactive (NONE), and Appearance and Odor (COLORLESS, VINEGAR ODOR).

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

Table with 2 columns: Hazard Property and Value. Properties include 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 (CO2, DRY CHEMICAL FOAM), Special Fire Fighting Procedures (SELF CONTAINED BREATHING APPARATUS; FULL FACE SHEILD.), and Unusual Fire and Explosion Hazards (N/A).

SECTION 4--REACTIVITY HAZARD DATA

Table with 3 columns: Property, Stable, Unstable. Properties include Stability (Stable X, Unstable \_\_\_), Conditions to Avoid (NONE), Incompatibility (MATERIALS TO AVOID): CONCENTRATED OXIDIZER, STRONG ALALIES, Hazardous Decomposition Products (WILL RELEASE FREE IODINE), and Hazardous Polymerization (MAY OCCUR \_\_\_\_, WILL NOT OCCUR X).

**SECTION 5--HEALTH HAZARD DATA:** 1700643 (R-459S)

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):

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)