

MATERIAL SAFETY DATA SHEET

PART NUMBER: R-455  
IDENTITY: ACETATE BUFFER  
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.  
ADDRESS: 2400 BARRANCA PARKWAY  
IRVINE, CA 92606  
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(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
SODIUM ACETATE TRYHYDRATE	6131-90-4	27.	N/A	N/A	N/A
ACETIC ACID GLACIAL	64-19-7	6.	10ppm		
NON-HAZARDOUS INGREDIENTS		67.			
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**

BOILING POINT 100°C  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1) <1.0  
VAPOR PRESSURE (mm Hg/TEMPERATURE) 11.4 mmHG @ 20°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, VINEGAR ODOR

**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 CO<sub>2</sub>, DRY CHEMICAL, FOAM  
SPECIAL FIRE FIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS, FULL FACE SHIELD; VAPORS ARE HEAVIER THAN AIR.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

**SECTION 4--REACTIVITY HAZARD DATA**

STABILITY: STABLE X UNSTABLE      
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY MATERIALS TO AVOID: CONCENTRATED OXIDIZERS, STRONG ALKALIES  
HAZARDOUS DECOMPOSITION PRODUCTS:

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

**SECTION 5--HEALTH HAZARD DATA: R-455**

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, NAUSEA, DIZZINESS

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SKIN, RESPIRATORY IRRITATION

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH WATER 15 MINUTES.

SKIN CONTACT: WASH THOROUGHLY WITH COLD WATER AND SOAP.

INHALATION: MOVE TO FRESH AIR. SEEK MEDICAL ASSISTANCE.

INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL ASSISTANCE.

**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):  
PROTECTIVE CLOTHING AND EQUIPMENT: LAB COAT/APRON  
HYGIENIC WORK PRACTICES: WASH HANDS THOROUGHLY AFTER HANDLING.

**SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: FLUSH WITH COLD  
WATER/BAKING SODA TO NEUTRALIZE; MOP.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN DRY, SAFE AREA.  
OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: AVOID SKIN CONTACT.

RATING:  
HEALTH 3 FLAMMABILITY 2 REACTIVITY 0 SPECIFIC NONE