

MATERIAL SAFETY DATA SHEET

PART NUMBER: 9210237
IDENTITY: HIGH TEMP pH INTERNAL FILL (ACETATE BUFFER 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: 01/26/11
PREPARED BY: Roxanne Morrison
REVISED BY: T. Phillips

SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	CAS#	%	AGGIH (TLV)
Ethylene glycol	107-21-1	40	50 ppm ceiling vapor
Sodium Acetate Trihydrate	6131-90-4	<1	N/A
Acetic Acid (Glacial)	64-19-7	<1	10 ppm; 25 mg/m3
Silver Chloride	7783-90-6	<1	0.01 mg/m3
NON-HAZARDOUS INGREDIENTS (water/sodium chloride)		57	
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.vwrsp.com/msds/10/JT9/JT9300-1.htm> <http://www.vwrsp.com/msds/10/JT4/JT4009-4.htm> <http://www.vwrsp.com/msds/10/EM-EM-AX0073-13.pdf> <http://www.vwrsp.com/msds/10/AA1/AA10857-14.pdf> and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	N/A
SPECIFIC GRAVITY (H ₂ O = 1)	N/A
VAPOR PRESSURE (mm Hg/TEMPERATURE)	N/A
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	Pink solution with slight vinegar odor

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SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USE	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 PROCEDURE	N/A

UNUSUAL FIRE AND EXPLOSION HAZARD: THIS IS NOT CONSIDERED AN EXPLOSIVE NOR FIRE HAZARD.

SECTION 4--REACTIVITY HAZARD DATA

STABILITY	STABLE <u>X</u>	UNSTABLE <u> </u>
CONDITIONS TO AVOID:	NONE	
INCOMPATIBILITY MATERIALS TO AVOID:	strong acids and oxidizers	
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Dioxide and Monoxide	
HAZARDOUS POLYMERIZATION:	MAY OCCUR <u> </u>	WILL NOT OCCUR <u>X</u>
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:	DOES NOT POLYMERIZE	

SECTION 5--HEALTH HAZARD DATA

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

CARCINOGEN LISTED: NTP _ IRAC _ OSHA _ NOT LISTED X

HEALTH HAZARDS

ACUTE:
Inhalation:
 Vapor Inhalation over an extended period of time, especially if heated or misted, can cause throat irritation, headache, nausea, vomiting, dizziness and drowsiness. Pulmonary edema and central nervous system depression may develop.
Ingestion:
 Symptoms in massive doses parallel alcohol intoxication, progressing to CNS depression, vomiting, headache, rapid heart rate, lowered blood pressure, stupor, collapse, and unconsciousness with convulsions.
Skin Contact:
 Minor skin irritation and penetration may occur.
Eye Contact:
 May cause irritation, pain, eye damage.

CHRONIC:

Severe kidney problems, brain damage, and skin allergy can develop. May damage a developing fetus.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE (Aggravation of Pre-existing Conditions):

Persons with pre-existing skin disorders, eye problems, or impaired liver, kidney, or respiratory function may be more susceptible to the effects of this substance.

EMERGENCY FIRST AID PROCEDURES:

Inhalation:
 Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion:
 Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Skin Contact:
 Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.
Eye Contact:
 Immediately flush eyes with plenty of water for 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

SECTION 6--CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR with P95 or R95 Filters

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES

VENTILATION TO BE USED**LOCAL EXHAUST:**

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: mop spills.

WASTE DISPOSAL METHODS: dispose in accordance with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep tightly sealed to avoid air oxidation.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:

RATING: HEALTH 2 FLAMMABILITY 1 REACTIVITY 1 SPECIFIC _contact=2