

MATERIAL SAFETY DATA SHEET

PART NUMBER: 9210355
 IDENTITY: 5% SULFURIC ACID 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

This product contains a toxic chemical or chemical subject to the reporting requirements of Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313 (40 CFR Section 372).

SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	CAS#	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
SULFURIC ACID	7664-93-9	5	N/A	N/A	N/A
NON-HAZARDOUS INGREDIENTS		95			
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/S8234.htm> and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	SULFURIC ACID 518°F
SPECIFIC GRAVITY (H ₂ O = 1)	1.8
VAPOR PRESSURE (mm Hg/TEMPERATURE)	LESS THAN 0.001
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	METALLIC ODOR/YELLOW COLOR

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	NOT COMBUSTIBLE--AQUEOUS SOLUTION
SPECIAL FIRE FIGHTING PROCEDURES	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	N/A

SECTION 4--REACTIVITY HAZARD DATA

STABILITY:	STABLE <u>X</u>	UNSTABLE _____
CONDITIONS TO AVOID:	N/A	
INCOMPATIBILITY (MATERIALS TO AVOID):	UNKNOWN	
HAZARDOUS DECOMPOSITION PRODUCTS:	DOES NOT POLYMERIZE	
HAZARDOUS POLYMERIZATION:	MAY OCCUR _____	WILL NOT OCCUR <u>X</u>
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:	UNKNOWN	

SECTION 5--HEALTH HAZARD DATA: 9210355

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

CARCINOGEN LISTED: NTP IARC OSHA NOT LISTED X

HEALTH HAZARDS

ACUTE: SKIN IRRITATION

CHRONIC: DERMATITIS, ECZEMA

SIGNS AND SYMPTOMS OF EXPOSURE: SKIN IRRITATION, BURNING SENSATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SKIN IRRITATION

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH IMMEDIATELY WITH COLD WATER; SEEK MEDICAL ASSISTANCE.

SKIN CONTACT: FLUSH EXPOSED AREA WITH COLD WATER DILUTED WITH BAKING SODA 15
MINUTES. IF IRRITATION PERSISTS SEEK MEDICAL ASSISTANCE.

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

OTHER (SPECIFY):

PROTECTIVE CLOTHING AND EQUIPMENT: APRON/LAB COAT REQUIRED FOR MIXING SOLUTION

HYGIENIC WORK PRACTICES: WASH HANDS IMMEDIATELY AFTER HANDLING.

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

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: CAREFULLY NEUTRALIZE WITH
SODIUM BICARBONATE; CLEAN WITH LARGE AMOUNTS OF WATER.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: THIS IS A CORROSIVE LIQUID;
HANDLE CAREFULLY; STORE AT ROOM TEMPERATURE IN A DRY AREA.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: ALWAYS WEAR SAFETY GOGGLES AND
PROTECTIVE GLOVES.

RATING:

HEALTH 3 FLAMMABILITY 0 REACTIVITY 2 SPECIFIC
