

## MATERIAL SAFETY DATA SHEET

PART NUMBER: 905-742970  
IDENTITY: RESIN  
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: R. MORRISON  
REVIEWED BY: T. PHILLIPS

### SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
------------	---	-------------	--------------	-----------------------------

SULFONATED DIVINYLBENZENE  
STYRENE COPOLYMER, H ION FORM 100  
(CAS # 069011-20-7)

NON-HAZARDOUS INGREDIENTS  
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.rohmhaas.com/ionexchange/IP/121wet\\_msd.htm](http://www.rohmhaas.com/ionexchange/IP/121wet_msd.htm) and our best scientific understanding of the solution.

### SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	100°C/212°F Water
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.1 to 1.4
VAPOR PRESSURE (mm Hg/TEMPERATURE)	17 mm Hg @ 20°C/68°F Water
MELTING POINT	0°C/32°F Water
VAPOR DENSITY (AIR = 1)	< 1
EVAPORATION RATE ( = 1)	< 1
SOLUBILITY IN WATER	Insoluble
WATER REACTIVE	Not Listed
APPEARANCE AND ODOR	Odorless, translucent/amber

### SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USED	Not Applicable
AUTO IGNITION TEMPERATURE	500°C/932°F
FLAMMABILITY LIMITS IN AIR % BY VOLUME	
LEL	Not Applicable
UEL	Not Applicable
EXTINGUISHER MEDIA	carbon dioxide - dry chemical - water spray

SPECIAL FIRE FIGHTING PROCEDURES N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not Listed

### SECTION 4--REACTIVITY HAZARD DATA

STABILITY: STABLE\_x UNSTABLE\_  
CONDITIONS TO AVOID: Temperatures above 190C  
INCOMPATIBILITY MATERIALS TO AVOID: Strong Oxidizing Agents especially Nitric Acid

HAZARDOUS DECOMPOSITION PRODUCTS: Monomer vapors like Sulfur Oxides  
HAZARDOUS POLYMERIZATION: MAY OCCUR\_\_\_ WILL NOT OCCUR x\_  
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: N/A

**SECTION 5--HEALTH HAZARD DATA:** 905-742970

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

CARCINOGEN LISTED: NPT\_ IRAC\_ OSHA\_ NOT LISTED\_X

**HEALTH HAZARDS**

ACUTE: SKIN IRRITATION  
CHRONIC: UNKNOWN

SIGNS AND SYMPTOMS OF EXPOSURE: SLIGHT SKIN IRRITATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: UNKNOWN

**EMERGENCY FIRST AID PROCEDURES:**

EYE CONTACT: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES

SKIN CONTACT: WASH SKIN THOROUGHLY WITH SOAP AND WATER

INHALATION: N/A

INGESTION: N/A

**SECTION 6--CONTROL AND PROTECTIVE MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES (ANSI Z87.1 OR EQUIVALENT)

**VENTILATION TO BE USED**

LOCAL EXHAUST: N/A

MECHANICAL (GENERAL): N/A

SPECIAL OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: LAB COAT/APRON

HYGIENIC WORK PRACTICES: YES

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

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: TRANSFER SPILLED MATERIAL TO SUITABLE CONTAINERS.

WASTE DISPOSAL METHODS: AN APPROVED DISPOSAL FACILITY OR LANDFILL, SEE LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID EXTREMES/ FREEZE-THAW

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: POSSIBLE EXPLOSION WHEN ADDED TO NITRIC ACID

**RATING:**

HEALTH\_1 FLAMMABILITY\_1 REACTIVITY\_0 SPECIFIC\_\_