

MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0809
 PRODUCT NAME: TDS Resin
 CHEMICAL FAMILY: Sulfonated polystyrene

2. INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
Cation exchange resin	69011-20-7	45-55	Irritant
Sulfonated styrene- divinylbenzene copolymer, hydrogen			
Water	7732-18-5	to 100	None

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Solid APPEARANCE: Dark amber beads ODOR: None
 BOILING PT (F): NA pH: NA SPECIFIC GRAVITY: 1
 VAPOR PRESSURE (mm Hg): NA VAPOR DENSITY (AIR=1): NA
 PERCENT VOLATILE BY VOLUME: NA SOLUBILITY IN WATER: Insoluble

4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT: NA METHOD: NA
 FLAMMABLE LIMITS: LEL: NA UEL: NA
 EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water fog
 SPECIAL PROCEDURES: Wear self-contained (positive pressure if available)
 breathing apparatus and full-protective clothing
 FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May emit
 toxic fumes of carbon oxides, sulfur oxides, styrene monomer, divinyl-
 benzene
 NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA
 CONDITIONS TO AVOID: Extreme heat, temperatures, contact with conc. nitric
 acid, strong oxidizers.

5. HEALTH HAZARD DATA

INGREDIENT: NA
 TOXICITY: NA
 PEL: NA TLV: NA
 STEL: NE

ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X

TARGET ORGAN(S): Eyes, skin

CARCINOGENICITY: NTP No IARC No OSHA No

HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:

EYES: Irritant

SKIN: Irritant

INGESTION: Irritant. May cause gastrointestinal irritation.

INHALATION: NA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions

6. PRECAUTIONARY MEASURES

PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat
HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.
STORAGE: Cool, dry area. Avoid direct sunlight.

7. EMERGENCY AND FIRST AID PROCEDURES

EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call physician if irritation persists. Wash skin thoroughly with soap and water.
INGESTION: Give large amounts of water. Call physician. Induce vomiting under direction of physician.
INHALATION: NA

8. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Resin beads on floor may mechanically cause floor to be slippery. Use care to avoid falls. Sweep up and containerize for later disposal.
DISPOSAL: To comply with all local, state, and federal regulations.

NA = Not applicable
ND = Not determined
NE = Not established

This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200 and contains information believed to be accurate and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Spill and Disposal Procedures" assumes compliance with federal, state, and local regulations regarding the disposal of hazardous waste.

DATE PREPARED: October 1999