

GELEST, INC.

11 East Steel Rd. Morrisville, PA 19067
Phone (215) 547-1015

MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **POTASSIUM poly(VINYLSULFATE) - CXPO091**
CHEMICAL NAME: POTASSIUM poly(VINYLSULFATE)
SYNONYMS: poly(VINYLSULFATE, POTASSIUM SALT); polyVINYLSULFURIC ACID
CHEMICAL FAMILY: POLYANIONIC RESIN
FORMULA: $(C_2H_3O_4SK)_n$
HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
POTASSIUM poly(VINYLSULFATE)	26182-60-5	>95	not established

PHYSICAL DATA

Boiling Point: NA
Specific Gravity: not determined
Vapor Density: NA
% volatiles: <1
Molecular Weight: 300,000-400,000
Appearance & Color: Off-White to yellow powder

Melting Point: NA
Vapor Pressure: NA
Solubility in water: 300-340g/liter
Evaporation rate: NA
Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: NA
Autoignition Temp.: not determined
Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(CXP0091)

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste, alternately incinerate as admixture with fuel equipped with scrubber. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce mild irritation or contact dermatitis. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors may irritate the respiratory tract.

Oral Toxicity: not determined
Cronic Toxicity: not determined

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable.

Conditions to avoid: Strong oxidizing agents

Hazardous decomposition products: Organic acid vapors and potassium oxide fumes.

-2-(CXPO091)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs ISSUE DATE CXPO091: 3/31/03
SUPERSEDES: 10/3/99

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