

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: **SODIUM poly-D,L-ASPARTATE, 40% in water - CXSO019**

CHEMICAL NAME: SODIUM poly-D,L-ASPARTATE, 40% in water

SYNONYMS: poly-D,L-ASPARTIC ACID, SODIUM SALT

CHEMICAL FAMILY: polyCARBOXYLIC ACID, SODIUM SALT

FORMULA: C₄H₄NO₃Na

HMIS CODES HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
SODIUM poly-D,L-ASPARTATE	94525-01-6	38-42	not established
WATER	7732-18-5	58-62	not established

PHYSICAL DATA

Boiling Point: NA

Specific Gravity: 1.26

Vapor Density: NA

% volatiles: <1

Molecular Weight: not determined

Appearance & Color: yellow-amber viscous liquid

Freezing Point: -10 to -20°C

Vapor Pressure: NA

Solubility in water: soluble

Evaporation rate: NA

pH: 7.5-9.0

FIRE & EXPLOSION DATA

Flash Point, COC: NA

Autoignition Temp.: NA

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-(CXSO019)

ENVIRONMENTAL INFORMATION

Spill response: Floor may be slippery. Dike or absorb onto an inert material, then collect for disposal.

Recommended Disposal: Non-hazardous waste may be admixed into combustion mixtures. Follow all chemical pollution control regulations.

Ecotoxicity - *Daphnia pulex*, LC50 (48H): 1792mg/kg

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed slight 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 aerosols or mists may irritate the respiratory tract or cause headaches.

Oral Toxicity- rat, LD50: >5000mg/kg

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. Avoid Freezing.

Conditions to avoid: Strong oxidizing agents

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

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. 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 CXSO019: 11/22/11

SUPERSEDES: none

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