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 Freezing Point: -10 to -20°C
Specific Gravity: 1.26 Vapor Pressure: NA
Vapor Density: NA Solubility in water: soluble
% volatiles: <1 Evaporation rate: NA
Molecular Weight: not determined pH: 7.5-9.0
Appearance & Color: yellow-amber viscous liquid

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.

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Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number
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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

Conditions to avoid: Strong oxidizing agents
Hazardous decomposition products: Organic acid vapors and sodium oxide fumes.

-2-(CXS0019)
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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