

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SDS REVISION #: 001

PRODUCT IDENTIFIER: ChemLog 121
OTHER IDENTIFIERS: Anionic acrylamide copolymer, polyacrylamide-co-(sodium acrylate)

RELEVANT USES: Flocculation for industrial applications

DISTRIBUTED BY: Chemstream, Inc.
511 Railroad Avenue
Homer City, PA 15748

PHONE NUMBERS: Business – (724) 915-8388 (business hours)
CHEMTREC - (800) 424-9300 (transportation emergencies)

SECTION 2 - HAZARDS IDENTIFICATION

Suspected of causing cancer*
May cause damage to the nervous system through prolonged or repeated skin contact*
*From residual acrylamide monomer

DANGER



Wet gel logs are extremely slippery as are spilled solution of the product. Use caution to avoid injury when handling. Avoid walking or driving on wet surfaces. Follow cleanup procedures given in Section 6.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Component	%	CAS No.
Polyacrylamide-co-(sodium acrylate)	25-27	25085-02-3
Water	73-75	7732-18-5
Acrylamide*	<1.2	79-06-1

*As unreacted residual monomer

SECTION 4 - FIRST AID MEASURES

Ingestion: Do not induce vomiting unless directed by physician. Never give anything by mouth to unconscious person.

Skin: Remove product from exposed skin surfaces promptly. Wash affected areas with soap and water. Remove contaminated clothing and launder before reuse. Call a physician if irritation persists.

Inhalation: For exposure to mist or aerosols from solutions of product, remove to fresh air.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not applicable

Autoignition: Not evaluated

Firefighting Media: Carbon dioxide, foam, or dry chemical. Water may be used; however, water in contact with product may become very slippery and viscous and may present a serious slip hazard. Use an alternative extinguishing media, if available. Avoid walking or driving on wet surfaces.

Firefighting Equipment: No special procedures

Hazardous Combustion Products: Oxides of carbon, oxides of nitrogen

Personal Protective Equipment: Use standard firefighting gear. Use SCBA in confined areas.

NFPA: Health: 1; Flammability: 0; Reactivity: 0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Product and its solutions are very slippery and will be difficult to handle. Collect solid product for reuse or disposal. Spills should be dammed and pumped to containers for reuse or disposal. Alternatively, solidify spilled solution with absorbent and sweep or shovel to containers for disposal. Residual polymer contamination may be treated with household bleach solutions followed by wash water to eliminate slip hazard.

SECTION 7 - HANDLING AND STORAGE

Precautions: Avoid contact with bare skin. Practicing good personal hygiene will reduce potential exposure. Wash with soap and water after any contact with product, and before meals, breaks, and end of shift. Launder contaminated work clothing separately from street clothing.

Storage: Store gel logs in original plastic packaging. Avoid temperature extremes and prolonged exposure to direct sunlight.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Acrylamide*: OSHA PEL: 0.3 mg/m³ (skin), ACGIH TLV 0.03 mg/m³

*present as unreacted monomer

Exposure limits will not normally be reached when handling the polymer gel or its solutions in accordance with recommended practices.

Skin Protection: Chemical resistant gloves when handling bare gel or polymer solutions. Neoprene, poly(vinyl chloride), butyl rubber, nitrile rubber, and polyethylene gloves provide adequate protection.

Respiratory Protection: Not normally required.

Eye Protection: Safety glasses with side shields (ANSI Z87.1)

Engineering Controls: Handle in well-ventilated area.

Additional Measures: Install eyewash station. Install anti-skid surfaces in areas with potential for slip hazard.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Solid gel
Color:	Colorless to slightly amber
Odor:	None to slightly sweet or ammoniacal
Physical State:	Solid
Solubility in Water:	Infinite
Vapor Pressure:	Not Applicable
Specific Gravity:	1.03 - 1.12
Boiling Point:	~101°C (214°F)
Freezing Point:	~-2°C (28°F)
Evaporation Rate:	<1 (1 = butyl acrylate)
pH:	7.5-8.5

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen

Incompatibility: Strong oxidizers

Conditions to avoid: Wet conditions

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: Not tested. By analogy to similar products, the acute LD50 (rat) is expected to be > 2000 mg/kg.

Carcinogenicity: Residual acrylamide listed by IARC, NTP

Reproductive Toxicity: Not tested. Not expected to be a reproductive toxin.

Teratogenicity: Not tested. Not expected to be a teratogen.

Mutagenicity: Not tested. Not expected to be a mutagen.

Skin Irritation: May cause slight skin irritation.

Eye Irritation: May cause slight eye irritation.

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity:

96-hour LC₅₀ (Rainbow Trout; *Salmo gairdneri*): 480 mg/L

48-hour LC₅₀ (*Ceriodaphnia dubia*): > 300 mg/L

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA: The product is not a RCRA regulated hazardous waste.

Waste Disposal: Dispose in accordance with local, state, and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT: The product is not a DOT/IMO hazardous material.

SECTION 15 - REGULATORY INFORMATION

SARA Title III: The product contains acrylamide (CAS Registry No. 79-06-1), at <0.3% by wt which is listed under Section 302 as an extremely hazardous substance and section 304 as a hazardous substance for emergency release notification.

TSCA: All chemicals in this product are listed in the TSCA inventory.

California Proposition 65: This product contains the following chemical(s) which are currently listed on the California list of known carcinogens and reproductive toxins: Acrylamide (CAS Registry No. 79-06-1), at <0.3% by wt

SECTION 16 - OTHER INFORMATION

PREPARATION DATE: March 14, 2016

REVISION DATE: N/A

REASON FOR REVISION: GHS Compliance

The product information contained herein is believed to be accurate as of the date of the Safety Data Sheet, and is provided without warranty, expressed or implied, as to the results of use of this information or the product to which it relates. Recipient assumes all responsibility for the use of this information and the use (alone or in combination with any other product), storage or disposal of the product, including any resultant personal injury or property damage.

END OF REPORT