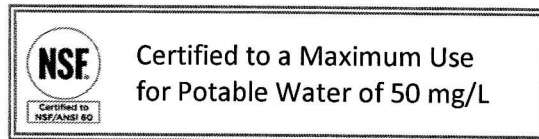


1. Product And Company Identification

Product Name: **AS-2120**
Synonyms/Use: **Cationic Liquid Polymer; Coagulant**



Manufacturer/Supplier:
Applied Specialties, Inc.
33555 Pin Oak Parkway
Avon Lake, OH 44012
Customer Information Number: 440-933-9442

For Chemical Emergency Spills, Leaks, Fire, Exposure or Accident call Chemtrec 800-424-9300 Day or Night

2. Hazardous Identification

Signal Word: NA
Pictograms: NA

Hazard Statement(s): May be harmful if swallowed. Very Slippery when spilled.

ROUTES OF ENTRY INTO BODY - Ingestion, Skin & Eye contact, Inhalation

SIGNS AND SYMPTOMS OF EXPOSURE – Teary or blurry vision

Sensitization: No evidence of skin sensitizing potential.

Carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity: No data available

Teratogenicity: No data available

Genotoxicity: No data available concerning mutagenic activity.

3. Chemical Composition

Component	CAS Number	Wt%	Exposure Guidelines
2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	26062-79-3	15 – 25%	Not Established

Chemical identity of some ingredients may be withheld as confidential as permitted by 29 CFR 1910.1200 and various State right to know laws.

4. First Aid Measures

- General Advice:** Remove contaminated clothing
- Eye Contact:** Flush the eyes with large amounts of water for at least 15 minutes, lifting the lower and upper lids occasionally. Get medical attention. Contact lenses should not be worn when working with this substance or any other chemical. If contact lenses were worn, remove from the eye after the first 5 minutes of flushing.
- Skin Contact:** Wash thoroughly with soap and water to remove any chemical from skin. Get medical attention if irritation develops. Contaminated clothing should be removed and laundered.
- Inhalation:** Keep calm and remove to fresh air. Seek medical attention. If breathing has stopped, perform artificial respiration.
- Ingestion:** Rinse mouth and then drink plenty of water. Get medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.

Note to Physician: Treat according to symptoms (decontamination, vital functions); no known specific antidote.

5. Fire Fighting Measures

- Flash Point and Method:** Not Applicable – A flash point determination is not necessary due to the high water content.
- Extinguishing Media:** Water spray, dry powder, foam. If water is used, restrict pedestrian and vehicular traffic in areas where a slip hazard may exist.
- General Hazard:** Restrict pedestrian and vehicular traffic. Keep upwind. Avoid breathing vapors, and fumes from this material. Avoid bodily contact with the material. Contaminated extinguishing water must be disposed in accordance with official regulations.
- Fire Fighting Equipment:** Wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Restrict access until clean-up operations are complete. Wear appropriate Personal Protective Equipment. Note that spills pose an extreme slip hazard. If spilled, take the following steps:

1. For small spills: pick up with absorbent material (sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.
2. For large spills: Vacuum or pump up product. Spills on earthen ground may be handled by removing the affected solids and placing them in approved containers.
3. Discard the absorbent material in accordance to all FEDERAL, STATE AND LOCAL REGULATIONS

NOTE: DO NOT wash or pour into any surface waters/ground waters or streams or directly into sewers.

7. Handling and Storage

- Handling:** No specific measures necessary provided product is used correctly. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Practice good industrial hygiene. Wash after handling and before eating, drinking, or smoking. No specific precautions against fire and explosion.
- Storage:** Keep container tightly closed in a cool, dry and well-ventilated place. Protect from temperatures <0°C. Avoid freezing.

8. Exposure Controls/Personal Protection

Exposure Guidelines: Work in well ventilated areas. Do not breathe vapors or mist. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne contaminants. Use local exhaust ventilation in areas where these levels may be exceeded.

Personal Protection

Respirator: Wear a NIOSH/MSHA approved or equivalent respirator as necessary.

Eye Protection: Safety glasses with side-shields

Gloves: Wear chemical resistant gloves and check with glove manufacturers' recommendations, consider all work functions when selecting the best glove

Clothing: Chemically resistant clothing in areas where splashing may occur

Other: Eye wash and safety showers should be in immediate work area, practice good industrial hygiene

9. Physical And Chemical Properties

Appearance	Clear to hazy, light yellow liquid
Odor	Mild, amine – like
Boiling Point	Not determined
Freezing Point	~ -6°C
Flash Point	Not applicable due to water content
Vapor Pressure	Not determined
Specific Gravity	~1.04 +/- 0.025
Percent Volatile	Not determined
Viscosity, dynamic	Not determined
Product Ph	5.5 – 7.5
Solubility In Water	100%

10. Stability And Reactivity

Stability	The product is stable under normal temperatures and pressures
Hazardous Polymerization	Will not occur
Incompatibilities	Avoid temperature extremes
Materials to avoid	Reactive chemicals, Strong acids, bases and oxidizing agents
Hazardous Decomposition Products	Not expected if stored and handled as prescribed/indicated.
Corrosion to metal	No corrosion effect on metals noted

11. Toxicological Information

Acute Toxicity		
Oral Rat	LD ₅₀	>5,000 mg/kg
Irritation/Corrosion	Skin	Non-irritant OECD Guideline 404
	Eye	Non-irritant OECD Guideline 405

This product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Information for Polydiallyl dimethyl ammonium chloride



Rabbit – slightly irritating
Repeated Toxicity Dose: Rat (female) gavage 90 days LOAEL: 500 mg/kg

12. Ecological Information

Aquatic Ecotoxicity

Toxicity to Fish
LC₅₀ (96h) Not provided 10 – 100 mg/L

Toxicity Aquatic Invertebrates
EC₅₀ (48 hr) Daphnia Magna 10 – 100 mg/L

Not readily biodegradable (by OECD criteria).
Based on its structural properties the polymer is not biologically available. Accumulation in organisms is not to be expected.
Environmental Mobility: assessment transport between environmental compartments: adsorption to solid soil phase is expected.

13. Disposal Considerations

Product Residues
Prohibition – Do not discharge to drains, sewer, or waterways
Disposal – Dispose in accordance with all federal, state, and local regulations. It is the waste generator’s responsibility to determine if a particular waste is hazardous under RCRA

Used Packaging
Dispose of in a licenses facility and in compliance with local, state, and federal regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Not RCRA regulated as supplied under RCRA (40 CFR 261).

14. Transport Information

Proper Shipping Name Resin Compound Non-Regulated Liquid Polymer
Hazard Class Not regulated
Identification Number NMFC 46030 Class 55
Packaging Group NA
Label Required None

15. Regulatory Information

Federal Regulations

CERCLA/SUPERFUND (40 CFR 117, Section 302)

Component	CAS Number	Concentration	CERCLA RQ	Product RQ
None noted				

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

Component	CAS Number	Concentration	RQ	TPQ
None Listed				

SARA HAZARD CATEGORIES (40 CFR 370, Sections 311, 312)

Acute Chronic Fire Pressure Reactive None



Safety Data Sheet

SDS Date: 04/24/2015
151142120-6

SARA TOXIC SUBSTANCES (40 CFR 372, Section 313)

Component	CAS Number	Concentration
None Noted		

CLEAN AIR ACT – HAZARDOUS AIR POLLUTANTS (HAP)

Component	CAS Number	Notification
None Noted		

US TOXIC SUBSTANCES CONTROL ACT/INVENTORY STATUS (TSCA)

All components are listed

RCRA STATUS

Not Regulated as supplied

NTP, IARC, OSHA, & ACGIH STATUS

None of the components in this product at concentrations greater than 0.1% are listed

DOT REPORTABLE QUANTITY (RQ) (49 CFR, Subchapter C, Section 172.101, Appendix A)

Component	CAS Number	Concentration	RQ	Product RQ
None				

State Regulations

PENNSYLVANIA, NEW JERSEY, and MASSACHUSETTS RIGHT-TO-KNOW INFORMATION:

Component	CAS Number
2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	26062-79-3

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

16. Other Information

HMIS

Health: 1
Flammability: 0
Physical Hazard: 0

- 0 Minimal
- 1 Slight Hazard
- 2 Moderate Hazard
- 3 Serious Hazard
- 4 Severe Hazard

This information is given without any warranty or representation and is presented in good faith and believed to be accurate. We do not assume any legal responsibility for same, nor do we give permission, inducement, or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification. Before using any product, read its label carefully and completely.

Revision 6 /supersedes 11/23/11 / MTL

Revisions: Format, all sections
