

## SAFETY DATA SHEET

### 1. Product Identification

**Product Identifier:** Acrylic ester-methacrylic acid acrylonitrile Co-Polymer

**Trade Name:** AP-42

**General Use and**

**Restrictions:** Bonding adhesives for attaching single-ply TPO and EPDM roofing membranes

**Manufacturer's Name:** STS Coatings, Inc.

**Address:** 347 HWY 289, Comfort, Texas 78013

**Business Phone:** 830-995-5177

**Emergency Phone:** Chemtrec 800-424-9300

### 2. Hazard Identification

**Hazard Classification:**

**Hazard Category:** Skin: Category 2

Eye: Category 2B

**Signal Word:** Warning

**Hazard Statement:** Causes Skin Irritation

Causes Eye Irritation

**Pictogram:**



**Prevention:**

Wash area of contact thoroughly after handling.

Wear nitrile or rubber gloves for protection.

**Response:**

If on skin wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Remove contaminated clothing and wash before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

**HNOC:** None

**Mixture Statement:** None

**Storage:** Store above 40°F

**Disposal:** Dispose according to all state and federal regulations

**Shelf Life:** 6 months

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### 3. Composition/Information on Ingredients

**Chemical Nature:** Mixture

Chemical Name	Wt%	CAS Registry Number
Water	40.0	7732-18-5
Acrylic ester acrylic acid acrylonitrile co-polymer	60.0	25686-45-7
Acrylonitrile as residual monomer	<0.01%	107-13-1

### 4. First-Aid Measures

**Eyes:** Rinse opened eye for several minutes under running water.  
**Skin:** Immediately wash with water and soap, then rinse thoroughly.  
**Ingestion:** Rinse out mouth with water. Drink 1 – 2 glasses of water but do not induce vomiting.  
Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.  
Seek medical treatment. **Inhalation:** Move to fresh air; call for doctor. **Symptoms:** No further relevant information available.  
**Medical or special treatment:** No further relevant information available.

### 5. Fire-Fighting Measures

**Extinguishing Media:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray. Use firefighting measures that suit the environment.  
**Hazardous Combustion Products:** Not combustible  
**Fire Fighting Equipment:** No Further relevant information available.  
**Fire Fighting Procedures/Precautions:** Fire fighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus.  
Water spray may be used for cooling containers to prevent possible pressure build-up when exposed to extreme heat.

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### 6. Accidental Release Measures

**Personal Precautions:** Evacuate non-essential personnel. Ensure adequate ventilation.

**Emergency Special Protective Equipment:** Use personal protective clothing. (See Section 7 Handling and Storage)

**Containment and Clean Up Methods and Materials:**

**For small amounts:** Pickup with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with local, state and federal regulations.

**For large amounts:** Pump off product.

**Environmental precautions:** Do not allow to enter sewers/surface or ground water.

### 7. Handling and Storage

**Safe Handling:** Handle in accordance with good industrial hygiene and safety practices. No special measures necessary provided product is used correctly. Ensure adequate ventilation.

**Storage:** Store above 40°F, DO NOT FREEZE. Keep container tightly sealed.

**Incompatibilities:** Store away from oxidizing agents.

### 8. Exposure Controls/Personal Protection

**Chemical Composition/Hazardous Ingredients/Occupational Exposure Limits:**

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Adequate ventilation

**Personal Protective Equipment:**

**Eyes and Face:** Safety glasses with side shields or chemical goggles.

**Skin:** Protective gloves, nitrile rubber or chloroprene rubber.

**Protective Clothing:** Protective work clothing, if splash hazard is present wear a protective apron.

**Comments:** Use with adequate ventilation.

Ensure eye wash is within recommended travel distance.

### 9. Physical and Chemical Properties

Physical State: Liquid

**Color:** Light Yellow

**Odor:** Characteristic

**Odor Threshold:** Not determined

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**pH:** 8.0

**Melting Point:** Not determined

**Freezing Point:** 32°F (0°C)

**Initial Boiling Point:** > 212°F (100°C)

**Flash Point:** Not applicable

**Evaporation Rate:** Not determined

**Flammability:** Not flammable in a liquid state

**Upper Flammability Limit:** Not determined

**Lower Flammability Limit:** Not determined

**Vapor Pressure (water):** 23.4 hPa (20°C) Data from literature

**Vapor Density:** Not determined

**Weight per gallon:** 8.6 lbs/gallon

**Solubility:** Soluble in water

**Partition Coefficient:** Not determined

**Auto Ignition Temperature:** Not determined

**Decomposition Temperature:** Not determined

**Viscosity:** 3,000 cps

**Solids:** 60.0%

**VOC as water:** 40.0%

### 10. Stability and Reactivity

**Chemical Stability:** Stable

**Hazardous Reactions/Polymerization:** Product is chemically stable

**Conditions of Avoid:** No Further relevant information available

**Incompatible Materials:** Reacts with oxidizing agents

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide, Nitrogen oxides, Hydrocarbons.

### 11. Toxicological Information

#### Potential Routes of Exposure and Health Effects:

**Eyes:** May irritate eyes

**Skin:** May irritate skin

**Ingestion:** No known harmful effect

**Inhalation:** No known harmful effect

#### Signs and Symptoms of Overexposure:

**Eyes:** Irritation

**Skin:** Irritation

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**Ingestion:** Not determined

**Inhalation:** Not determined

**Acute Effects:** None known when used and handled according to specification

**Chronic Effects:** None known when used and handled according to specification

**Acute Toxicity:**

**Dermal LD<sub>50</sub>:** Not determined

**Oral LD<sub>50</sub>:** Not determined

**Inhalation LC<sub>50</sub>:** Not determined

**Carcinogenicity:**

**IARC (International Agency for Research on Cancer):**

- Acrylonitrile, CAS#107-13-1, 2B

**NTP(National Toxicology Program)**

- None of the ingredients are listed

**OSHA(Occupational Safety and Health)**

- Acrylonitrile, CAS#107-13-1

### 12. Ecological Information

**Ecotoxicological Information:** At present there are no assessments available.

**Persistence and Degradability:** No further relevant information available.

**Bio Accumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

**Other Adverse Effects:** No further relevant information available.

### 13. Disposal Considerations

**Waste Residue:** Follow all local, state and federal regulations. Must be specially treated adhering to official regulations.

**Disposal Methods:** Dispose following all local, state and federal regulations. Do not discharge into drains/surface waters/groundwater.

**Packaging Disposal:** Disposal must be made according to official regulations.

### 14. Transport Information

**UN Number:** Not classified

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**UN Proper Shipping Name:** Not applicable  
**Transport Hazard Class:** Not hazardous  
**Packaging Group:** Not applicable  
**Environmental Hazards:** Not hazardous  
**Transport in Bulk:** Not applicable  
**Special Precautions for User:** Not hazardous

### 15. Regulatory Information

**Safety, health and environment regulations/legislation specific for the substance or mixture**

**SARA Title III (Superfund Amendments and Reauthorization Act) and CERCLA:**

Product classification under Section 311 of SARA:

Acute (yes), Chronic (no), Fire (no), Reactive (no), Pressure (no)

- **Section 355 (extremely hazardous substances):** Acrylonitrile (cas#107-13-1)
- **Section 313 (Specific toxic chemical listing):** Acrylonitrile (cas# 107-13-1)

**TSCA (Toxic Substance Control Act):** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**Canada Domestic Substance List (DSL):** all components of this product are on the DSL or are exempt from DSL requirements.

**Proposition 65:**

- **Chemicals known to cause cancer:** Acrylonitrile(cas#107-13-1)
- **Chemical known to cause reproductive toxicity:** None of the ingredients is listed.

**RCRA Status:** This product or its containers would not be considered hazardous waste as defined under the federal RCRA regulations (40CFR 261)

**Clean Water Act:** Generally not hazardous for water.

### 16. Other information:

Although the information and recommendations set forth in the SDS are presented in good faith and are believed to be correct as of the date of this SDS STI Polymer, Inc. make no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determinations as to the suitability for their purpose prior to use. In no



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event will STI Polymer, Inc. or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

**Prepared by:** Environmental Department

**Issue Date:** 5/20/15

**Revision #:** 1

**Revision Date:** Not applicable