



SYCOAT® 223

SAFETY DATA SHEET

1. Product Identification

Product Identifier: Styrene acrylic copolymer

Trade Name: Sycoat® 223

General Use and

Restrictions: Asphalt emulsion and metal paint coating

Manufacturer's Name: STI Polymer, Inc.

Address: 5618 Clyde Rhyne Drive, Sanford, NC 27330

Business Phone: 919-777-5995

Emergency Phone: 800-874-5878

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	51.0	7732-18-5
Styrene acrylic copolymer	49.0	25265-15-0

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:** CO₂, extinguishing powder or water spray. Fight larger fires with water spray. Use fire fighting 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: Milky White

Odor: Characteristic

Odor Threshold: Not determined



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pH: 8.5

Melting Point: Not determined

Freezing Point: 32°F (0°C)

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

Flash Point: Not flammable

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: 8.4 lbs/gallon

Solubility: Not miscible or difficult to mix

Partition Coefficient: Not determined

Auto Ignition Temperature: Not determined

Decomposition Temperature: Not determined

Viscosity: 1,000 @25°C

Solids: 49.0%

VOC as water: 51.0%

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



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Skin: Irritation

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 LD₅₀: Not determined

Oral LD₅₀: Not determined

Inhalation LC₅₀: Not determined

Carcinogenicity:

IARC (International Agency for Research on Cancer): No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP (National Toxicology Program): No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA (Occupational Safety and Health): No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA

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.



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14. Transport Information

UN Number: Not classified
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 (Superfund Amendments and Reauthorization Act)

- **Section 355 (extremely hazardous substances):** None of the ingredients listed.
- **Section 313 (Specific toxic chemical listing):** This material does not contain any components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, section 313

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: This product contains residual Styrene (cas# 100-42-5) and 2-ethylhexyl acrylate (cas# 103-11-7), know to the State of California to cause cancer.

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.



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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 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.

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