

Material Safety Data Sheet

Section I - Product Identification

Product Name: FSA

Manufacturer's Name: Maintenance, Inc.

Address: P.O. Box 408, Wooster, Ohio 44691

Emergency Phone Number: 330/264-6262 (Maintenance, Inc.). After 5:00 p.m. and weekends: 216/391-8300 (answering service).

Trade Name: Copolymer additive for coal tar pitch emulsion.

Chemical Family: Synthetic resin emulsion.

Formula: ADS1

Effective Date: 02/13/02

Date Superseded: 04/11/01

Section II - Hazardous Ingredients

Hexylene Glycol

CAS# 107-41-5

% by wt. <1-5%

Listed in SARA Title III, Section 313: No

OSHA PEL: N/A

ACGIH TLV: 25 ppm Ceiling,
121 mg/kg Ceiling

STEL: 25 ppm

LC50: N/A

LD50: Skin, Rabbit 8560 mg/kg,
Oral, Rat 3700 mg/kg

Vinyl Acetate

CAS# 108-05-4

% by wt. <.3%

Listed in SARA Title III, Section 313: Yes

OSHA PEL: 10 ppm

ACGIH TLV: 10 ppm

STEL: 15 ppm

LC50: Inhalation, Rat 4000 ppm

LD50: Skin, Rabbit 2335 mg/kg
Oral, Rat 2920 mg/kg

Section II - Nonhazardous Ingredients

Water

CAS# 7732-18-5

% by wt. >3%

Polyvinyl Resin Copolymer

CAS# Trade Secret

% by wt. >3%

N/A = Not available or applicable

Ingredients total wt. % are below 100% only if all others unlisted are not considered hazardous by any federal (OSHA, WHMIS, SARA), any state or province, or local Right-To-Know regulations.

Section III - Physical Data

Boiling Point (degrees F/C): >212°F (100°C)

Vapor Pressure (mm Hg.): 25 mmHg

Vapor Density (Air = 1): 0.6

Solubility in Water: Miscible

Appearance and Odor: Light green milky liquid with latex odor.

Physical State: Liquid

Freeze Point (degrees F/C): 32°F (0°C)

Specific Gravity: 1.04

% Volatile (by wt.): 76%

Evaporation Rate (water = 1): 1

Water/Oil Dist. Coeff.: 3

Threshold Odor, ppm: 50 ppm

pH: 4.75-5.0

Section IV - Fire & Explosion Hazard Data

Flammability Classification: N/A

Flash Point (method used): N/A

Flammable Limits: LEL: N/A UEL: N/A

Combustion Products: Hydrocarbon compounds, CO, CO₂.

Extinguishing Media: CO, dry chemical, foam.

Special Fire Fighting Procedures: Cool exposed containers to prevent steam pressure buildup.

Wear self-contained breathing equipment.

Unusual Fire and Explosion Hazards: Containers may rupture due to steam pressure.

NFPA Rating: Health 1; Fire 0; Reactivity 0

Impact Sensitive: No

Static Sensitive: No

Explosion Power: N/A

Burning Rate: N/A

Section V - Health Hazard Data

Routes of Entry: Skin, eyes, inhalation, ingestion.

Effect of Overexposure: Acute: Yes Chronic: Yes

Eyes: May cause eye irritation.

Inhalation: Prolonged and repeated inhalation be harmful to the respiratory system. Excess inhalation may cause headache, dizziness, giddiness, and nausea.

Skin: May cause irritation of skin.

Ingestion: May be harmful if swallowed. May cause nausea, cramps, vomiting, diarrhea or other effects.

Any Suspected Carcinogen >or= 0.1%: Yes: Vinyl acetate is listed by IARC as a suspect carcinogen based on animal studies.

WARNING: This product contains a chemical known to the State of California to cause cancer.

Emergency and First Aid Procedures:

Eyes: Immediately flush with plenty of water for 15 minutes and call a physician.

Inhalation: If affected, remove to fresh air.

Skin: Wash thoroughly with plenty of water and soap.

Ingestion: If alert and conscious, give several glasses of water to drink. Seek physician immediately, show MSDS or label. DO NOT induce vomiting.

Section VI - Reactivity Data

Stability: Stable

Conditions to Avoid: Keep from freezing.

Incompatibility (materials to avoid): Strong oxidizing agents.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur.

Section VII - Spill or Leak Procedures

SARA Title III:

#302: No #304 CERCLA: No #313: No RCRA: No

Steps to be Taken In Case Material is Released or Spilled: Ventilate the area. Contain the spill. If ventilation is inadequate, wear approved respiratory equipment. Wear suitable protective clothing, gloves, and eye/face protection. Clean up with absorbent material. Put in sealed approved container. Dispose of as a non-hazardous waste in accordance with federal, state and local regulations.

Section VIII - Safe Handling & Protection Information

Respiratory Protection: If ventilation is inadequate, wear approved respiratory equipment.

Ventilation:

Local Exhaust: Recommended

Mechanical (general): Recommended

Special: N/A

Other: N/A

Protective Gloves: Wear impervious rubber gloves.

Eyes Protection: Wear safety glasses, goggles or face shield.

Other Protective Equipment: Wear suitable protective clothing.

Estimated LD50, MG/KG: Skin Rabbit 8560 mg/kg, Oral Rat 3700 mg/kg

Estimated: LC50, MG/KG: N/A

Sensitization: No

Irritant: No

Section IX - Special Precautions

Keep out of reach of children.

For professional and industrial use only.

Always read label plus precautions and follow directions carefully.

Keep from freezing.

Keep in cool place.

Keep containers airtight for storage.

Use with adequate ventilation.

Avoid breathing vapors and spray mist.

Do not take internally.

Avoid contact with eyes and skin.

Wash thoroughly after using.

Additional Technical Data Sheets and/or MSDSs are available upon request.

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