

SECTION 1: IDENTIFICATION**1.1. Product Identifier**

Product Form: Mixture

Product Name: FBAM-970

1.2. Intended Use of the Product

Processing aid for industrial applications, Anionic Polyacrylamide, emulsion

1.3. Name, Address, and Telephone of the Responsible Party**Company**

Synthex Organics, LLC

4601 Cortland Avenue

Altoona, PA 16601

(814) 941 - 8375

www.synthexorganics.net**1.4. Emergency Telephone Number**

Emergency Number : Call CHEMTREC Day or Night 1 (800) 424 - 9300 / +1 (703) 527 – 3887

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the Substance or Mixture****GHS-US/CA Classification**

Serious eye damage/eye irritation, Category 1

2.2. Label Elements**GHS-US/CA Labeling****Hazard Pictograms (GHS-US):****Signal Word (GHS-US):**

Danger

Hazard Statements (GHS-US):

Causes serious eye damage.

Precautionary Statements (GHS-US):**Prevention:**

Wear protective gloves/ protective clothing/ eye protection/ face protection

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

2.3 Other Hazards**Advice:** Contaminated surfaces will be extremely slippery.**Potential environmental effects:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substance**

| Hazardous Ingredient(s) | % wt.* | CAS No. |
|---|-------------|------------|
| Distillates (petroleum), hydrotreated light | 22-25% | 64742-47-8 |
| Alcohols, C12-16, ethoxylated | 0 - 3.6 % | 68551-12-2 |
| Alcohols, C12-14, ethoxylated | 0 - 3.6 % | 68439-50-9 |
| Alcohols, C10-16, ethoxylated | 0 - 3.6 % | 68002-97-1 |
| (Z)-Octadec-9- enylamine, ethoxylated | 1.2 - 1.6 % | 26635-93-8 |
| Ammonium acetate | 2 - 10 % | 631-61-8 |

Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability. Only one of these components is contained in the product up to the maximum amount noted.

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SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Show this safety data sheet to the doctor in attendance.

First-aid Measures After Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

First-aid Measures After Skin Contact: Remove contaminated clothing and shoes. Wash off immediately with plenty of water. Wash contaminated clothing before re-use. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

First-aid Measures After Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain prompt medical consultation, preferably from an ophthalmologist.

First-aid Measures After Ingestion: If swallowed, call a poison control center or doctor immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

None

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, carbon dioxide (CO₂), dry chemical. Warning! Spills produce extremely slippery surfaces

Unsuitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special Hazards Arising From the Substance or Mixture

Spills produce extremely slippery surfaces

5.3. Advice for Firefighters

Precautionary Measures Fire: In the event of fire, wear self-contained breathing apparatus. Use NIOSH/MSHA approved respiratory protection.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: oxides of nitrogen ammonia Sulphur oxides (SO_x) Carbon dioxide (CO₂) Carbon monoxide (CO)

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not touch or walk-through spilled material. Spills produce extremely slippery surfaces.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Where the exposure level is not known, wear approved, positive pressure, self-contained respirator. Where the exposure level is known, wear approved respirator suitable for the level of exposure. For personal protection see section 8. Chemical resistant boots

Emergency Procedures: Keep people away from spill/leak.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Do not flush into surface water or sanitary sewer system

6.3. Methods and Materials for Containment and Cleaning Up

Methods for Cleaning Up: Sweep up to prevent slipping hazard. Soak up with inert absorbent material. Shovel into suitable container for disposal. After cleaning, flush away traces with water. Use detergent if needed.

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6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Do not freeze. Store at room temperature in the original container. Storage temperature < 89.6 °F

Incompatible Materials: Unsuitable material: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

7.3. Specific End Use(s)

Water treatment chemical, For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Occupational Exposure Limits

| SUBSTANCE. | CAS No. | (8hr TWA) | | (STEL) | | Note: |
|---------------------------------------|------------|------------|------------------------------|------------|-------------|-------|
| | | PEL (OSHA) | TLV (ACGIH) | PEL (OSHA) | TLV (ACGIH) | |
| Distillates (petroleum), hydrotreated | 64742-47-8 | ----- | 200 mg/m ³ (R) | ----- | ----- | ----- |

(R) 8 hours

Recommended monitoring method

8.2. Exposure Controls

Appropriate Engineering Controls: Avoid contact with skin and eyes. Do not breathe vapors, aerosols. Do not eat, drink or smoke when using this product. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Glove material: Impervious gloves, Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye Protection: Wear eye protection/ face protection. Tightly fitting safety goggles or face-shield. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and Body Protection: Chemical resistant protective clothing. Chemical resistant boots.

Respiratory Protection: Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure. If no personal respiratory protection is necessary.

Other Information: Handle in accordance with good industrial hygiene and safety practice. Keep away from tobacco products. Keep away from food and drink. Wash hands before breaks and immediately after handling the product.

Environmental Exposure Controls: Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | |
|----------------|--------------------|
| Physical State | : Viscous liquid |
| Appearance | : Milky |
| Odor | : Hydrocarbon-like |

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| | |
|---|---|
| Odor Threshold | : Not available |
| pH | : 6-8 (5 g/L) |
| Evaporation Rate | : Not available |
| Melting Point | : Not available |
| Freezing Point | : -4 °C |
| Boiling Point | : No data available |
| Flash Point | : > 215.6 F (closed cup) (Pensky-Martens) |
| Auto-ignition Temperature | : Not available |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Flammable Limit | : Not available |
| Upper Flammable Limit | : Not available |
| Vapor Pressure | : Not available |
| Relative Vapor Density at 20°C | : Not available |
| Relative Density | : 9.03 lb/gal |
| Solubility | : Water: Limited by viscosity |
| Partition Coefficient: N-Octanol/Water | : Not available |
| Viscosity | : >20.5 mm ² /s @ 40 °C |

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Stable under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.
- 10.4. **Conditions to Avoid:** Stable under recommended storage conditions.
- 10.5. **Incompatible Materials:** No specific hazards.
- 10.6. **Hazardous Decomposition Products:** oxides of nitrogen ammonia Sulphur oxides (SOx) Carbon dioxide (CO₂) Carbon monoxide (CO)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

| Product: | |
|-----------------|----------------------------|
| LD50 Oral Rat | LD50 >5000 mg/kg estimated |
| LD50 Dermal Rat | LD50 >5000 mg/kg estimated |

| | |
|--|--|
| Acute inhalation toxicity | Distillates (petroleum), hydrotreated light: LC50/Rat/4 h/>/5.2 mg/l |
| Skin corrosion/ irritation | Not irritating to skin |
| Serious eye damage/eye irritation | OECD Test Guideline 437/Read-across (Analogy) Conclusion: Causes serious eye damage. |
| Respiratory/skin sensitization | Not sensitizing |
| Mutagenicity | No data available |
| Carcinogenicity | Not classified by IARC or NTP. |
| Reproductive toxicity | Distillates (petroleum), hydrotreated light: Conclusion: Did not show teratogenic effects in animal experiments. |
| STOT – single exposure | No data available |
| STOT – Repeated exposure | No data available |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

| | |
|------------|---|
| Short term | LC50/Fish/(96 hr): no data available LC50 Daphnia Magna (48 hour): 1.68 mg/L |
|------------|---|

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| | |
|--------------------------------------|---|
| Long Term | Not available. |
| Acute toxicity to algae | No data available |
| Persistence and degradability | Not readily biodegradable |
| Bioaccumulative potential | Partition coefficient: n-octanol/water: Not applicable |
| Mobility in soil | Water solubility: Limited by viscosity. Surface tension: not determined |
| Photolysis | No data available |
| Other adverse effects | Not available. |

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Recycling, recovery and reuse of materials is recommended if permitted by regulations. If recycling is not practicable, dispose of in compliance with local regulations. Incineration is recommended.

Contaminated Packaging: Dispose of in compliance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

U.S. DOT

| | |
|-------------------------------------|--|
| UN number | NA3082, OTHER REGULATED SUBSTANCES, LIQUID, N.O.S |
| Proper Shipping Name | |
| Transport hazard class(es) | 9 |
| Packing group | III |
| DOT Labels | 9 |
| Reportable Quantity | Ammonium acetate Hazardous Substances/Reportable Quantities - DOT requirements specific to Hazardous Substances only apply if the quantity in one package equals or exceeds the reportable quantity. DOT/CFR: Product contains US EPA CERCLA and CWA Hazardous Substance: Ammonium Acetate (CAS# 631-61-8) having a Reportable Quantity (RQ) of 5000 pounds; (refer to SDS section 3 for amount in product to determine if spilled quantity of product exceeds the Reportable Quantity (RQ) triggering EPA Spill Incident Notification). |
| Special precautions for user | This product is regulated as a hazardous material according to the Department of Transportation only in bulk quantities greater than 49,999 lbs. (22,680 KG) per package. |

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

SARA Title III Section 311 Categories

Serious eye damage/eye irritation, Category 1,

US. Environmental Protection Agency (EPA); Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules.

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

While this product does not contain any component CAS numbers directly listed under SARA 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), it does contain ammonia chemical(s) that may be sources per EPA of aqueous ammonia, a reportable chemical. For our customer's use evaluation for reporting purposes we have listed these source chemical(s) below with their quantities when present at >1%. Please refer to EPA Guidance for Reporting Aqueous Ammonia, EPA 745-R-00-005. Ammonium acetate (631-61-8) CERCLA Hazardous Substances. 40 CFR Part 302. May be subject to emergency release notification under SARA Title III.

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CERCLA Hazardous substance (Reportable Quantities)

| Chemical name | CAS-No. | Reportable quantity |
|------------------|----------|---------------------|
| Ammonium acetate | 631-61-8 | 5,000 lb |

California Proposition 65

WARNING: This product contains a chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Acrylamide (79-06-1) < 0.01 %

Other regulations : None.

Notification status

| | |
|-------------------------|--|
| European Union : | All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS. : |
| USA : | All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory. |
| Canada : | All components of this product are included in the Canada Domestic Substance List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL). |
| Australia : | All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS) |
| Japan : | All components of this product are NOT included on the Japanese (ENCS) inventory. |
| South Korea : | All components of this product are NOT included on the Korean (ECL) inventory. |
| Philippines : | All components of this product are NOT included on the Philippine (PICCS) inventory. : The product contains component(s) which is/are New Substance(s) registered by Kemira with the local authority. Only designated Kemira entity can import or authorize to import into China. Contact Kemira offices for more information. |
| New Zealand : | All components of this product are included in the New Zealand inventory (NZIoC) or are not required to be listed on the New Zealand inventory(NZIoC). |
| Taiwan : | All components of this product are NOT included on the Taiwan Chemical Substances Inventory. |

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 18, 2022

Training advice: None.

NFPA:

Health: 3
Flammability: 1
Instability: 0

HMIS:

Health: 3
Flammability: 1
Reactivity: 0

Note: NFPA = National Fire Protection Agency

Hazard Rating Scale: 0=Minimal; 1=Slight;
2=Moderate; 3=Serious; 4=Severe

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