

**SAFETY DATA SHEET****FAS-55****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY**

**Product name:** FAS-55

**Company:** SYNTHEX ORGANICS, LLC  
4601 Cortland Avenue  
Altoona, PA 16601  
United States

**Telephone:** 814-941-8375

**Telefax:** 814-941-1031

**Emergency telephone number:** 814-941-8375

**Product use:** Processing aid for industrial applications.

**2. HAZARDS IDENTIFICATION**

**Form:** Liquid

**Color:** Clear to amber

**Odor:** Slight

**Potential effects:** Spills produce extremely slippery surfaces.

**Potential Health Effects:**

**Eye:** May cause slight temporary eye irritation with susceptible persons.

**Skin:** May cause irritation with susceptible persons.

**OSHA Regulatory Status:** This material is not considered hazardous in accordance with OSHA 29CFR 1910.1200.

**Potential Environmental Effects:** None. See section 12 for more information.

**Other information:** No information available.

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**3. COMPOSITION / INFORMATION OF INGREDIENTS**

Chemical Name	CAS Number	Concentration/-range:
2-Propen-1-aminium,N,N-dimethyl-N-2-propenyl-,chloride, polymer with 2-propenamide	26590-05-6	<25%

**Identification:** Cationic polymer in solution.

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. No hazards which require special first aid measures.

**Skin:** Wash with soap and water as a precaution. Seek medical attention if irritation develops and persists.

**Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:** Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur.

**5. FIRE FIGHTING MEASURES**

**Extinguishing media:** Water. Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry powder.

**Flash point:** Does not flash.

**Auto-ignition temperature:** Does not ignite.

**Fire-fighting precautions:** Spills produce extremely slippery surfaces.

**Fire-fighting equipment:** Wear self-contained breathing apparatus and protective suit.

**Specific methods:** Keep personnel removed and upwind of fire.

**Specific hazards:** In the event of a fire the following can be released: Carbon Oxides. Nitrogen Oxides.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Keep people away from spill/leak. Do not touch or walk through spilled material. Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

**Environmental precautions:** Do not contaminate water. As with all chemical products, do not flush into surface water.

**Clean up method:** Do not flush with water. Dam up. Soak with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

**7. HANDLING AND STORAGE**

**Handling:** Avoid contact with skin and eyes. Wear personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

**Storage:** Keep in a dry cool place (0-30°C). Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational exposure limits:** None

**Engineering measures:** Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

**Personal protective equipment:**

**Respiratory protection:** No personal respiratory protective equipment normally required.

**Hand protection:** PVC or other plastic material gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin and body protection:** Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

**Hygiene measures:** Wash hands before breaks and at the end of the workday. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Liquid

**Color:** Clear to amber

**Odor:** Slight

**pH:** 3-7

**Specific gravity:** 1.1- 1.2

**Melting point/range (°C):** <0

**Flash point (°C):** Does not flash

**Boiling point (°C):** >100C

**Autoignition temperature:** Does not ignite.

**Vapor pressure (mm Hg):** 2.3 kPa@20C

**Viscosity (mPa.s):** See Technical Bulletin.

**Water solubility:** Completely miscible.

**LogPow:** <0

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**10. STABILITY AND REACTIVITY**

**Stability:** Stable.

**Hazardous polymerization:** Hazardous polymerization will not occur.

**Conditions to avoid:** Avoid extremes of temperature. Protect from light, moisture and damage.

**Decomposition products:** Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>). Hydrogen cyanide (hydrocyanic acid).

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:**

**Oral:** LD50/oral/rat >5000 mg/kg

**Dermal:** LD50/dermal/rat >5000 mg/kg

**Inhalation:** The product is not expected to be toxic by inhalation.

**Irritation:**

**Skin:** The product is not expected to be irritating to skin and mucous membranes.

**Respiratory systems:** Not a respiratory irritant.

**Sensitization:** Not sensitizing.

**Reproductive effects:** Not toxic for reproduction.

**Mutagenicity:** Not mutagenic.

**Carcinogenicity:** Not carcinogenic.

**IARC:** Not listed.

**Chronic toxicity:** NOAEL/oral/rat/90 days=2000mg/kg/day (Estimated)

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**12. ECOLOGICAL INFORMATION**

**Aquatic toxicity:**

**Toxicity to fish:** LC50/Fish/96 hours >100mg/L (OECD 203)

**Toxicity to daphnia:** EC50/Daphnia magna/48 hours > 100 mg/l (OECD 202)

**Toxicity to algae:** Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.

**Environmental fate:**

**Persistence and degradability:** Not readily biodegradable.

**Hydrolysis:** Does not hydrolyze.

**Biodegradability:** Not readily biodegradable.

**Bioaccumulation:** Does not bioaccumulate.

**LogPow:** < 0

**LogKow:** Not determined.

**13. DISPOSAL CONSIDERATIONS**

**Container:** Rinse empty containers with water and use the rinse water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local, state and federal regulations.

**Disposal:** Dispose of in accordance with local, state, and federal regulations.

**14. TRANSPORTATION REGULATIONS**

**DOT classification:** Not classified as dangerous in the meaning of DOT regulations.

**IMDG/IMO:** Not classified as dangerous in the meaning of IMO/IMDG regulations.

**ICAO/IATA:** Not classified as dangerous in the meaning of ICAO/IATA regulations.

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**15. REGULATORY INFORMATION**

**US SARA Title III reporting requirements:** None.

**RCRA status:** Not RCRA hazardous.

**Section 311-312:** Not concerned.

**California Proposition 65 Information:** WARNING! This product contains a chemical known in the State of California to cause cancer, Acrylamide.

**USA TSCA:** All components of this product are either listed on the inventory or are exempt from listing.

**Canada (DSL):** All components are either listed on the inventory or are exempt from listing.

**China (IECSC):** All components are either listed on the inventory or are exempt from listing.

**European Union (REACH):** All components of this product have been registered or pre-registered with the European Chemicals Agency or are exempt from registration.

**Australia (AICS):** All components are either listed on the inventory or are exempt from listing.

**Japan (ENCS):** All components are either listed on the inventory or are exempt from listing.

**Korea (ECL):** All components are either listed on the inventory or are exempt from listing.

**Philippines (PICCS):** All components are either listed on the inventory or are exempt from listing.

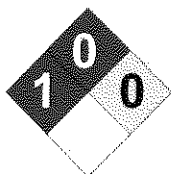
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**16. OTHER INFORMATION**

**NFPA:**

Health: 1  
Flammability: 0  
Instability: 0

**Note:** NFPA = National Fire Protection Agency



**HMIS:**

Health: 1  
Flammability: 0  
Reactivity: 0

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

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Revised April 21, 2015, S. Bowser