SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**FS Cogent™**
Manufactured for:	Growmark, Inc. 1705 Towanda Ave. Bloomington, IL 61701
Product Use:	High Surfactant Modified Vegetable Oil Concentrate, Deposition Aid, and Drift Retardant
Emergency telephone number:	(Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call:	(847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification:
Acute Toxicity, Category 4 (oral), H302
Skin Irritation, Category 2, H315
Eye Irritation, Category 2B, H320
Inhalation Toxicity, Category 4, H332

H315

Signal Word: Warning

Hazard Statements:
H302: Harmful if swallowed.
H315: Causes skin irritation.
H320: Causes eye irritation.
H332: Harmful if inhaled.

Precautionary Statements:

Prevention
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash protective equipment and work clothes thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if person feels unwell.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a poison center/doctor if person feels unwell.
P321: Treat Symptomatically.
P330: Rinse mouth.
P332+P313: If skin irritation occurs: Get medical advice or attention.

P337+P313: If eye irritation persists: Get medical attention or advice.
P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal

P501: Dispose of contents/container to disposal plant in accordance with federal, state and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	GHS Classification	Weight %
Proprietary blend of surfactants	Proprietary	Eye Irritation, Category 2B Skin Irritation, Category 2	20 - 30%
Paraffinic Oil	Proprietary	Acute Toxicity, Category 4 (oral) Inhalation Toxicity, Category 4	70 - 80%

4. FIRST AID MEASURES

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have the person rinse mouth and sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat symptomatically. Take off contaminated clothing and wash it before reuse.

IF INHALED: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

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 or attention.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Effects: This product is not a carcinogen by NTP, OSHA and ACGIH.

5. FIREFIGHTING MEASURES

Suitable Extinguishing media: Water spray, foam, CO_2, or dry chemicals may be used in areas where this product is stored.

Specific Hazards: Oil-soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water and dry in well ventilated area.

PPE and Precautions: Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Do not touch or walk through spilled material. Stop leak if possible to do so without risk. Evacuate the spill area, except for cleanup personnel. Wear protective equipment as referenced in Section 8 below. Control spill with adsorbent pads or booms. Recover free liquid.

Disposal: For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Product is slippery under foot; flush smooth surfaces thoroughly. This product is classified as oil under Section 311 of the Clean Water Act. Discharge to surface waters that cause a sheen must be reported to the National Response Center (800-424-8802).

7. HANDLING AND STORAGE

Keep container closed. Safety goggles with full-face shield and eyewash recommended. USDA-accepted Nitrile (CFR-20) or neoprene rubber (CFR-21) recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact. To avoid fire, minimize ignition sources. Product should be stored in a dry place. Partially used containers should be resealed between uses for maximum storage stability.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits:	N/D
Eye/Face Protections:	Wear protective eyewear. Contact lenses should not be work when working with chemicals.
Skin Protection:	Wear long sleeved shirt, long pants, boots and neoprene rubber, nitrile rubber or Viton® gloves to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.
Respiratory Protection:	Protect against spray mists and dust clouds. Respirator recommended in areas of poor ventilation.
General Protection:	Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product.
Note:	When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, yellow liquid	LEL:	N/A
Odor:	N/D	Vapor Pressure:	N/D
pH (neat):	N/D	Vapor Density:	N/D
Melting Point:	N/D	Relative Density:	7.322 ± 0.05
Freezing Point:	N/D	Solubility in water:	Dispersible
Boiling Point:	N/E	Partition Coefficient:	N/D
Flash Point:	>93 °C (>200 °F)	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D
Flammability:	N/A	VOC:	N/D
UEL:	N/A	Viscosity:	N/D

10. STABILITY AND REACTIVITY

Stability:	Stable.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Condition to Avoid:	Avoid direct sunlight and prevent product from drying.
Incompatible Materials:	Strong bases, strong oxidizing agents, strong reducing agents.
Thermal Decomposition Products:	Burning may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Albino rats, LD50> 5000 mg/kg
Acute Eye Irritation:	Albino rabbits, practically non-irritating
Acute Dermal Irritation:	Albino rabbits, slightly irritating
Acute Dermal Toxicity:	Albino rats, LD50> 5050 mg/kg
Acute Inhalation Toxicity:	Rat, LC50>10.0 mg/L, 4 hours

12. ECOLOGICAL INFORMATION

No ecological data is available for this product.

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers:	No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:	Recycle or rework material if at all possible. Incinerate material at an approved facility. Treat at an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval waste samples in compliance with applicable federal, state and local environmental regulations.
Container Reuse:	An empty container can contain product residue and should not be reused. If not professionally cleaned and reconditioned, crushing, or other means is recommended to prevent unauthorized reuse.

14. TRANSPORT INFORMATION

DOT Status (Highway and rail):	Not Regulated
IATA Status (Air):	Not Regulated
Marine Pollutant:	No

15. REGULATORY INFORMATION

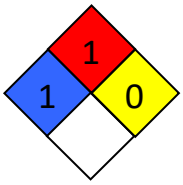
SARA HAZARD:	No
TSCA:	Components listed
AICS (Australia):	Components listed
DSL (Canada):	Components listed
EINECS (Europe):	Components listed

16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA Rating



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N/R—Not Rated
N/D—Not Determined
N/A—Not Applicable
N/E—Not Established
EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration. NJTSR = New Jersey Trade Secret Registry.