

SAFETY DATA SHEET

GROWMARK, INC.

Updated: November 27, 2014

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FS Captis**
Manufactured for: Growmark, Inc.
1701 Towanda Ave.
Bloomington, IL 61701
Product Use: Adjuvant
Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call: (847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification:

Skin Irritation, Category 2, H315

Eye Irritation, Category 2B, H320



H315

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation.

H320: Causes eye irritation.

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.

P264: Wash protective equipment and work clothes thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Treat symptomatically.

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS Number</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>Weight %</u> |
|-------------------|-------------------|-----------------|------------------|-----------------|
| Proprietary Blend | | | | 100% |

4. FIRST AID MEASURES

IF SWALLOWED: Rinse mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting, unless told to by a poison control center or doctor. Do not give anything 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.

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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, alcohol resistant foam, CO₂, or dry chemicals may be used in areas where this product is stored. Do not use jet spray.

Specific Hazards: Can be dangerous when exposed to extreme heat and flame.

Thermal Decomposition: Irritating or toxic substances may be emitted. Thermal Decomposition may include oxides of carbon and nitrogen as well as smoke and fume.

PPE and Precautions: Evacuate area. Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water-spray to cool fire exposed surfaces and personnel. Product dissolves in water.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: In case of major spill, evacuate the spill area, except for cleanup personnel. Use water spray to cool exposed surfaces and personnel. Product dissolves in water. Wear personal protective equipment (PPE) as referenced in Section 8 below. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Large spills may be flushed to sewer if local authorities approve such. Product is slippery under foot; flush smooth surfaces thoroughly.

Disposal: Dispose of collected waste in accordance with federal, state and local regulations. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Keep container closed. USDA-accepted nitrile (CFR-20) or neoprene rubber (CFR-21) recommended. Wear appropriate clothing and protective equipment, as referenced in Section 8 below, to prevent repeated or prolonged skin contact. 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: None

Eye/Face Protections: Wear protective eyewear. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear chemical-resistant gloves, long-sleeved shirt, long pants, socks and shoes 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: Not required under normal use conditions with good ventilation. Protect against spray mists.

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. Eye wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009.

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Personal Protection in Case of Large Spill: Splash goggles, full suit, boots and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------|---------------------------|----------------------------|-------------------|
| Appearance: | Clear, pale yellow liquid | LEL: | N/D |
| Odor: | Fatty odor | Vapor Pressure: | N/D |
| Odor Threshold: | N/D | Vapor Density: | Heavier than air. |
| pH: | 4-5 | Relative Density: | 8.178 lb/gl |
| Melting Point: | N/D | Solubility in water: | Soluble |
| Freezing Point: | N/D | Partition Coefficient: | N/D |
| Boiling Point: | N/D | Autoignition Temperature: | N/D |
| Flash Point: | >200°F Tag Closed Cup | Decomposition Temperature: | N/D |
| Evaporation Rate: | N/D | VOC: | N/D |
| Flammability: | N/D | Specific Gravity | 0.98 @ 20°C |
| UEL: | N/D | | |

10. STABILITY AND REACTIVITY

| | |
|-------------------------------------|--|
| Stability: | Stable under normal conditions. |
| Possibility of Hazardous Reactions: | N/A |
| Condition to Avoid: | Oxidizing agents, extreme heat/open flame/sparks and other ignition sources. |
| Incompatible Materials: | Strong oxidizers such as hydrogen peroxide, bromine and chromic acid. |
| Hazardous Decomposition Products: | Carbon monoxide and carbon dioxide from burning. |

11. TOXICOLOGICAL INFORMATION

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|--|
| Acute Oral Toxicity: female albino rats, LD50 > 5000 mg/kg |
| Acute Eye Irritation: albino rabbits, minimally irritating |
| Acute Dermal Irritation: albino rabbits, slightly irritating |
| Acute Dermal Toxicity: albino rats, LD50 > 5050 mg/kg |

12. ECOLOGICAL INFORMATION

No ecological information 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 of waste samples in compliance with applicable federal, state and local environmental regulations. |
| Container Reuse: | An empty container may hold 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 |

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15. REGULATORY INFORMATION

TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.

SARA HAZARD: Title III, Section 313: Contains no Section 313 listed substances subject to reporting requirement.

AICS (Australia): Components listed

DSL (Canada): Components listed

EINECS (Europe): Components listed

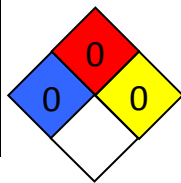
TSCA: Components listed

16. OTHER INFORMATION

HMIS Hazard Rating

| | |
|---------------------|---|
| HEALTH | 0 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | X |

NFPA Rating



Last Updated: November 27, 2014

Date Prepared: May 19, 2014

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, GROWMARK, INC. MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

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.