# SAFETY DATA SHEET



## 1. PRODUCT AND COMPANY IDENTIFICATION

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|---|---|
| Product Name: | **FS Layout™2.0** |
| Supplier: | Growmark, Inc.<br>1705 Towanda Ave.<br>Bloomington, IL 61701 |
| Product Use: | Drift Control, Canopy Penetrating Agent & Deposition Aid |
| Emergency telephone number: | (Chemtrec Information 24 hours) (800) 424-9300 |
| Customer Service, call: | (847) 596-3001 |

## 2. HAZARDS IDENTIFICATION

**GHS Classification:**
Eye Irritation, Category 2B, H320
**Signal Word:** Warning
**Hazard Statements:**
H320: Causes eye irritation
**Precautionary Statements:**
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.
**Response**
P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical attention or advice.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS Number | GHS Classification | Weight % |
|---|---|---|---|
| Mixture | | Eye Irritation, 2B | 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. Treat symptomatically. If skin irritation occurs: Get medical advice or attention. 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, alcohol foam, dry chemical, or $CO_2$.
PPE and Precautions: Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
Additional Fire and Explosion Data: Product will burn under fire conditions.

Hazardous Decomposition Materials: Oxides of carbon.

## 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Evacuate the spill area, except for cleanup personnel. Wear NIOSH/MSHA-approved respirator and protective equipment. Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal.

Disposal: Product is slippery under foot; flush smooth surfaces thoroughly. Dispose of collected waste in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

**Precautions to be Taken in Handling**: Keep away from heat, sparks and flame. Keep container sealed when not in use. 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. Use only with adequate mechanical exhaust ventilation.

**Precautions to be Taken in Storage:** Product should be stored in a dry place at temperatures between 46 and 100°F. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**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.

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|---|---|
| Component Exposure Limits: | N/D |
| Eye/Face Protections: | Wear protective eyewear. Contact lenses should not be worn when working with chemicals. |
| Skin Protection: | Wear chemically impervious gloves, long-sleeved shirt, 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. 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: | Eye wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009. |

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|---|---|
| Appearance: | Amber, viscous liquid | LEL: | N/A |
| Odor: | Slight odor | Vapor Pressure: | N/D |
| Odor Threshold: | N/D | Vapor Density: | N/D |
| pH (1 w% solution): | 4 to 6 | Relative Density (lbs/gl): | 7.74 ± 0.05 |
| Melting Point: | N/D | Solubility in water: | Dispersible |
| Boiling Point: | N/A | Partition Coefficient: | N/D |
| Flash Point: | >374°F (SETA CC) | Autoignition Temperature: | N/D |
| Evaporation Rate (BuAc=1): | <1 | Decomposition Temperature: | N/D |
| Flammability: | N/A | VOC: | N/D |
| UEL: | N/A | Viscosity: | N/D |

## 10. STABILITY AND REACTIVITY

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|---|---|
| Stability: | The product is stable under normal conditions. |
| Possibility of Hazardous Reactions: | Hazardous polymerization will not occur. |
| Condition to Avoid: | Heat, open flame, ignition sources. |
| Incompatible Materials: | Strong oxidizing and reducing agents. |
| Thermal Decomposition Products: | Oxides of carbon. |

## 11. TOXICOLOGICAL INFORMATION

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|---|---|
| Acute Oral Toxicity: | LD50 > 5,000 mg/kg (albino rats) |
| Acute Eye Irritation: | Minimally irritating (albino rabbits) |
| Acute Dermal Irritation: | Non-irritating (albino rabbits) |
| Acute Dermal Toxicity: | LD50 > 5,050 mg/kg (albino rats) |
| Acute Inhalation Toxicity: | LC50 > 2.04 mg/L (albino rats) |

## 12. ECOLOGICAL INFORMATION

Not expected to cause significant adverse environmental impact if product reaches waterways.

## 13. DISPOSAL CONSIDERATIONS

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|---|---|
| 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. Dispose of container to disposal plant in accordance with federal, state and local regulations. |

## 14. TRANSPORT INFORMATION

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|---|---|
| DOT Status (Highway and rail): | Not Regulated |
| IATA Status (Air): | Not Regulated |

## 15. REGULATORY INFORMATION

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|---|---|
| SARA 311/312: | Acute Health Hazard |
| TSCA: | Components listed |
| DSL (Canada): | Components listed |

Clean Air Act

The following chemicals are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

| | |
|---|---|
| 1,4-Dioxane | 123-91-1 |
| Ethylene oxide | 75-21-8 |

The following chemicals are listed under the U.S. Clean Air Act Section 112® for Accidental Release Prevention (40 CFR 68.130, Subpart F):

| | |
|---|---|
| Ethylene oxide | 75-21-8 |

The following chemicals are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOCs (40 CFR 60.489):

| | |
|---|---|
| 1,4-Dioxane | 123-91-1 |
| Ethylene oxide | 75-21-8 |

Clean Water Act

The following Hazardous Substances are listed under the U.S CleanWater Act, Section 311, Table 116.4A

Phosphoric acid 7664-38-2

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Phosphoric acid 7664-38-2

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

California Prop. 65

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

1,4-Dioxane 123-91-1

Ethylene oxide 75-21-8

WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

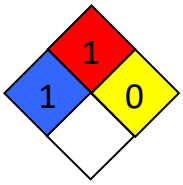
Ethylene oxide 75-21-8

## 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.