



## 1. IDENTIFICATION

<b>Product Name:</b>	Fairway Fourway
<b>Product Description:</b>	Wetting Agent
<b>Manufacturer Information:</b>	AgStone™, LLC – P.O. Box 25474, Greenville, SC 29616
<b>General Information:</b>	Phone Number: (855) 378-2211
<b>Emergency Contact Information:</b>	For chemical emergency only (spill, leak, fire, exposure or accident) call CHEMTREC at 1-800-424-9300 (703-527-3887 Outside of United States)

## 2. HAZARD(S) IDENTIFICATION

**Classification of the Substance or Mixture:** Not hazardous according to GHS-compliant regulations in the USA as laid out by OSHA.

**Pictograms:** None

**Signal Word:** None

**Hazard Statement:** None

**Precautionary Statements:** None

HMIS Ratings (scale 0-4)

HEALTH	1	Health = 1
FIRE	1	Fire = 1
PHYSICAL HAZARD	0	Physical Hazard = 0

## 3. COMPOSITION / INFORMATION ON COMPONENTS

**Chemical Characterization:** Mixture

<b>Principle Components</b>	<b>CAS #</b>	<b>Percentage</b>
Oleic Acid Esters of Block Copolymers	Proprietary	10
Inert		90

## 4. FIRST AID MEASURES

**Eye Contact** – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists; get medical advice/attention.

**Skin Contact** – Immediately wash skin with soap and plenty of water. Remove contaminated clothing, and launder before reuse.



**Ingestion** – If swallowed, give milk or water to dilute. Call a Poison Center or doctor/physician if you feel unwell.

**Inhalation** – Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a Poison Center or doctor/physician if you feel unwell.

## 5. FIRE FIGHTING MEASURES

**Flammable Properties:**

- Flash Point (°F / °C)..... : >200°F / >93°C
  - Test Method ..... : Cleveland Open Cup
- Fire Point (°F / °C)..... : 440°F / 227°C
  - Test Method ..... : Cleveland Open Cup – ASTM D92

**Extinguishing Media:**

Use alcohol foam, carbon dioxide or water spray when fighting fires involving this material.

**Hazardous Products of Combustion:**

Oxides of carbon, smoke and fumes.

**Fire Fighting Instructions:**

Fire fighters should wear full protective gear including self-contained breathing apparatus (SCBA) with full face shield operated in positive pressure mode, and full protective clothing. Closed containers may swell and rupture when exposed to extreme heat. Water spray may be used to cool containers. Avoid spraying of water directly into containers of burning material as frothing may result. Water runoff may cause environmental damage. Dike and collect water used to fight fires.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Individuals involved in clean-up activities must use appropriate protective equipment as listed in Section 8 of the SDS. This material forms slippery surfaces on floors, and poses an accident risk.

**Environmental Precautions:** If material is released into the environment (air, land, water – via sewage system), the user should determine whether spill must be reported to appropriate local, state and/or federal authorities.

**Spill Response Procedures:** Confine spill by diking with sand, earth or inert absorbent material. Absorb onto suitable material (sand, vermiculite, etc.), then shovel into suitable container for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

- Do not eat, drink or smoke when using this product.
- Avoid contact with eyes, skin and clothing.
- Wash thoroughly after handling



**Conditions for Safe Storage:**

- Keep from freezing.
- Store away from heat.
- Keep receptacle tightly sealed, and clearly labeled.
- Empty containers may retain product residue. Dispose of container in accordance with local/regional/international regulations

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment:**

- Eye / Face – Wear safety glasses with side shields (or goggles) and a face shield.
- Respiratory – A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be used when respiratory protection is required.
- Skin / Body – For brief contact, body covering clothing should be worn. Use neoprene or butyl rubber gloves.
- Other Precautions: Safety shower and eye wash station should be located in exposure area. Reduce exposure by proper use of personal protective equipment. Wash hands and face before eating, drinking or smoking.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b> .....	Liquid
<b>Color</b> .....	Milky White to Light Tan
<b>Odor</b> .....	Mild Fatty
<b>Odor Threshold</b> .....	Not Determined
<b>pH</b> .....	5.5 – 8.0 Neat
<b>Melting Point / Freezing Point</b> .....	Not Determined
<b>Initial Boiling Point and Boiling Range</b> .....	212°F / 100°C
<b>Flash Point</b> .....	>200°F / >93°C
<b>Fire Point</b> .....	440°F / 226.7°C
<b>Evaporation Rate</b> .....	Not Determined
<b>Flammability (solid, gas)</b> .....	Not Applicable
<b>Upper / Lower Flammability</b> .....	Not Determined
<b>Vapor Pressure</b> .....	Not Determined
<b>Specific Gravity</b> .....	1.007 (8.387 lbs/gal)
<b>Solubility</b> .....	Soluble in water
<b>Partition Coefficient</b> .....	Not Determined
<b>Auto-Ignition Temperature</b> .....	Product is not self-igniting
<b>Decomposition Temperature</b> .....	Not Determined
<b>Viscosity</b> .....	0 – 1500 cps



## 10. STABILITY AND REACTIVITY

- Chemical Stability**----- Stable
- Possibility of Hazardous Reactions**----- No dangerous reactions known
- Conditions to Avoid** ----- High Temperatures
- Incompatible Materials** ----- Oxidizing Materials
- Hazardous Decomposition Products**----- No dangerous decomposition products known

## 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure:** Skin Contact, Inhalation, Ingestion

**Toxicity:**

- LD50 – Route: Oral (Rat)
  - The acute oral LD<sub>50</sub> of AgStone 15 is greater than 2000 mg/kg.
- LC50 – Route: Inhalation (Rat)
  - The acute inhalation LC<sub>50</sub> of AgStone 15 is greater than 2.11 mg/L.
- LC50 – Route: Aquatic (Oncorhynchus mykiss [Rainbow Trout]):
  - The acute aquatic LC<sub>50</sub> of AgStone 15 is greater than 1000mg/L.

**Potential Health Effects:** None under normal conditions of use

**Carcinogenic Categories:**

- NTP (National Toxicology Program).....No components listed
- IARC (International Agency for Research on Cancer).....No components listed
- OSHA (Occupational Safety & Health Administration).....No components listed
- California Proposition 65 List of Chemicals .....No components listed

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** – The following test was conducted on Fairway Fourway, ASTM F895-11 (Standard Test Method for Agar Diffusion Cell Culture Screen for Cytotoxicity). Based on the observed results, the solution exhibited no evidence of toxicity on the CCL-1 cell line tested as per the agar diffusion method.

**Biodegradability** – Fairway Fourway has been tested for biodegradability at test termination this product had a biodegradation of 98.32%.

## 13. DISPOSAL CONSIDERATIONS

As originally offered, this product if disposed of, is not considered a hazardous waste under current Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261). State and local regulations should also be consulted regarding proper disposal.



## 14. TRANSPORT INFORMATION

**Freight Classification:** Fatty Acid Esters, NOI, Item 144920, Class 65

**Department of Transportation (DOT):** Not Regulated

**International Air Transport Association (IATA):** Not Regulated

**International Maritime Organization:** Not Regulated

## 15. REGULATORY INFORMATION

### U.S. Regulations

#### FDA Compliance

- 21 CFR 176.170 for use as *Components of paper and paperboard in contact with aqueous and fatty foods.*
- 21 CFR 176.180 for use as *Components of paper and paperboard in contact with dry food.*

#### Toxic Substances Control Act (TSCA) Information

- The components of this product are listed on the TSCA Chemical Substance Inventory or are exempt.

#### Superfund Amendments and Reauthorization Act (SARA Title III)

- Section 311/312 – No listed components
- Section 313 – No listed components

#### Coalition of Northeastern Governors (CONEG) Model Legislation

- This product is not manufactured with the intentional addition of lead, mercury, cadmium, or hexavalent chromium.

#### Clear Air Amendment Act of 1990

- This product is not manufactured with, neither is it manufactured so that it comes into contact with any Ozone Depleting Substances (ODS)

#### Carcinogenic Categories:

- NTP (National Toxicology Program).....No components listed
- IARC (International Agency for Research on Cancer).....No components listed
- OSHA (Occupational Safety & Health Administration).....No components listed
- California Proposition 65 List of Chemicals .....No components listed



**International Regulations**

Canadian Environmental Protection Act (CEPA)

- Components listed in the Domestic Substance List.

European Inventory of Existing Commercial Chemical Substances (EINECS)

- Components are listed or exempt as polymer.

Australian Inventory of Chemical Substances (AICS)

- Components listed

Korean Existing Chemical List (ECL)

- Components listed.

China Inventory of Existing Chemical Substances

- Components listed

European Communities (EC) Classification

- Not Regulated

Workplace Hazardous Material Information System (WHMIS) – Canada

- Not Regulated

**Other Information**

Impurities

- Fairway Fourway is not manufactured with, neither does it contain formaldehyde alkylphenol ethoxylates (APE) – including nonylphenol ethoxylates; asbestos, bichlorinated phenols, carbon tetrachloride; benzene; halon; pentachlorophenol, polychlorinated biphenyls (PCB); or 1,1,1-trichloroethane (TCE)

Environmental

- Fairway Fourway does not contain measurable quantities of volatile organic compounds when using the test protocol as set forth in the Environmental Protection Agency (EPA) Test Method 24.

Allergens

- Fairway Fourway does not contain rubber latex.
- It also does not contain the 8 major food allergens or proteins derived from them, as listed in the Food Allergen Labeling and Consumer Protection Act (FALPAC) of 2004. The eight foods or food groups listed as major food allergens are as follows: milk, eggs, fish, crustacean shellfish, tree nuts, peanuts, wheat and soybeans.

**16. OTHER INFORMATION**

**MSDS Date** .....April 8, 2015  
**Last Revision Date** ..... March 1, 2017  
**Preparer** ..... W. Welch  
**Reason for Revision** ..... Date Revision