



# CHEMICAL & FERTILIZER, LLC

## Safety Data Sheet

### Section 1 – Chemical Product and Company Identification

**Product Name:** Spray Aide®

**Chemical Name:** Polyethylene glycol alkyl ether phosphate

**Common Name, Synonym:** Phosphate Ester

**Material Uses:** Water Conditioner

**Manufacturer/Manufactured For:** Miller Chemical and Fertilizer, LLC

Phone: (717) 632-8921 FAX: (717) 646-1104 CHEMTREC: (800) 424-9300

### Section 2 – Hazard Identification

#### 2.1 Classification of the substance or mixture

**GHS Classification (29 CFR 1910.1200)**

Eye Irritation (Category 2A)

#### 2.2 Label elements

**GHS Labeling Elements**



Pictogram:

Signal Word: Warning

Hazard Statements: Causes serious eye irritation.

Precautionary Statements: Wash eyes thoroughly after handling. Wear eye protection/face protection. 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 attention.

### Section 3 – Composition/Information of Ingredients

Ingredient Name	CAS Number	%	Classification (GHS-US)
This product has been tested as a whole to determine its hazard – see section 11			

PA Right to Know: This product contains proprietary ingredients

This product contains the following chemicals subject to the reporting requirements of Section 13 Title III of the Superfund Amendments and Reauthorization act of 1986 and 40 CFR part 372 ( the corresponding CAS numbers and typical percent by weight are also provided).

None



Product Name: Spray Aide®

#### Section 4 – First Aid Measures

**Eye Contact:** Flush gently and thoroughly for 15 minutes with large amounts of clean water, occasionally lifting upper and lower lids. Seek medical attention if irritation persists

**Skin Contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If redness or rash develops and persists, seek medical attention. Wash or clean contaminated clothing and shoes before wearing again

**Ingestion:** DO NOT INDUCE VOMITING. Call a physician immediately.

**Inhalation:** If respiratory symptoms develop, remove person to fresh air immediately. Begin artificial respiration or CPR (cardiopulmonary resuscitation) if required and seek medical attention as appropriate

**Notes to Physician:** None Known

#### Section 5 – Fire-Fighting Measures

**Flash Point:**  $\geq 212^{\circ}\text{F}$  ( $100^{\circ}\text{C}$ )

**Autoignition Temperature:** Not applicable

**LEL/UEL:** Not applicable

**Extinguishing Media:** Foam, Dry chemical, carbon dioxide (CO<sub>2</sub>), water spray, or sand/earth.

**Hazardous Decomposition Products:** Oxides of carbon

**Fire-Fighting Instructions:** Keep unauthorized personnel away. Wear full protective clothing and self-contained breathing apparatus. Stay upwind. Stop spill/release if it can be done without risk. Apply water spray to knock down and absorb fumes and vapors and cool affected containers. Control runoff waters. Ventilate closed spaces before entering. Always stay away from the ends of tanks

**Fire-Fighting Equipment:** Full protective clothing and self-contained breathing apparatus

**Unusual Fire or Explosion Hazards:** Evacuate people downwind from fire and control run-off water.

#### Section 6 – Accidental Release Measures

**Spill /Leak Procedures:** ELIMINATE ALL SOURCES OF IGNITION. DIKE OR IMPOUND TO KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES. ABSORB SPILL WITH INERT MATERIAL. SHOVEL INTO WASTE CONTAINERS.

Flush area with water, contain and remove cleanup liquid. Small amounts of spilled liquid may be absorbed using appropriate absorbent material. As conditions warrant, notify proper authorities, downstream sewer and water treatment operations, and other downstream users about potentially contaminated water

#### Section 7 – Handling and Storage

**Handling Precautions:** It is advisable to wash promptly if skin becomes contaminated; before eating, drinking, using tobacco, or chewing gum; before using toilet facilities; and at the end of the work shift before leaving the worksite

**Storage Requirements:** Store at temperatures between 41°F and 120°F, in well-ventilated areas away from heat or flame.



Product Name: Spray Aide®

Regulatory Requirements: None Known

### Section 8 – Exposure Controls/Personal Protection

**Engineering Controls:**

**Ventilation:** None required under normal conditions.

**Administrative Controls:**

**Respiratory Protection:** A NIOSA/MSHA approved respirator should be worn when dusting/misting occurs

**Protective Clothing/Equipment:** Chemical protective goggles should be used where splashing may occur. Wear rubber or neoprene gloves where splashing may occur. If irritation occurs, impervious clothing and gloves should be worn.

**Safety Stations:** Not Known

**Contaminated Equipment:** Not Known

**Comments:** None

### Section 9 – Physical and Chemical Properties

<b>Appearance:</b>	Clear/yellowish liquid
<b>Odor:</b>	Mild
<b>pH (aqueous approx. 5% in DW):</b>	2.000 to 2.600
<b>Boiling point/Boiling range:</b>	≥ 212°F (100°C)
<b>Freeze Point:</b>	Not Determined
<b>Flash Point:</b>	≥ 250°F (PMCC)
<b>Vapor Pressure (mmHg):</b>	Not Determined
<b>Vapor Density (Air=1):</b>	Not Determined
<b>Solubility in Water:</b>	Soluble
<b>Density:</b>	9.13 – 9.43 lbs/gal @ 68°F (20°C)
<b>Specific Gravity (H<sub>2</sub>O=1 @ 4°C):</b>	1.09 – 1.13 @ 68°F (20°C)
<b>Evaporation Rate (NA=1):</b>	Not Determined
<b>Percent Volatile by Volume:</b>	Not Determined

### Section 10 – Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** None Known

**Chemical Incompatibilities:** Strong Oxidizers.

**Conditions to Avoid:** None known.

**Hazardous Decomposition Products:** Oxides of carbon under fire conditions.



Product Name: Spray Aide®

### Section 11- Toxicological Information

#### Toxicity Data:\*

<b>Acute Eye Irritation:</b> Moderately irritating	<b>Skin Sensitization:</b> No irritation in Guinea Pigs
<b>Acute Dermal Effects:</b> (rats) LD <sub>50</sub> > 5050 mg/kg	<b>Carcinogenicity:</b> Data not available
<b>Acute Oral Effects:</b> (rats) LD <sub>50</sub> > 5000 mg/kg	<b>Mutagenicity:</b> Data not available
<b>Acute Inhalation Effects:</b> (rats) LC <sub>50</sub> > 2.19 mg/L (4hr)	<b>Teratogenicity:</b> Data not available

\*See NIOSH, RTECS on listed ingredients for additional toxicity data.

### Section 12 – Ecological Information

**Ecotoxicity:** Large spills could possibly damage vegetation. Contamination of waterways could possibly cause fish kills. Prevent spread and runoff into drains, storm sewers, and ditches that lead to waterways.

**Aquatic Toxicity:** Not Known

**Environmental Fate:** Not known

### Section 13 – Disposal Considerations

**Disposal:** If uncontaminated, recover and reuse as product. If contaminated with other materials, the nature and extent of contamination may require use of specialized disposal methods. Consult local, county, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations

**Disposal Regulatory Requirements:** Consult local, county, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations

**Container Cleaning and Disposal:** Consult local, county, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations

### Section 14 – Transport Information

**SECTION 14 NOTES:** This product is not considered a shipping hazard

#### U.S. DEPARTMENT OF TRANSPORTATION

**PROPER SHIPPING NAME:** Not applicable  
**PACKING GROUP:** Not applicable  
**HAZARD CLASS:** Not applicable  
**LABEL/PLACARD REQUIRED:** Not applicable  
**UN/NA No.:** Not applicable

#### WATER TRANSPORTATION

**PROPER SHIPPING NAME:** Not applicable  
**PACKING GROUP:** Not applicable  
**HAZARD CLASS:** Not applicable  
**LABEL/PLACARD REQUIRED:** Not applicable



Product Name: Spray Aide®

UN/NA No.: Not applicable

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** Not applicable  
**PACKING GROUP:** Not applicable  
**HAZARD CLASS:** Not applicable  
**LABEL/PLACARD REQUIRED:** Not applicable  
**UN/NA No.:** Not applicable

**OTHER AGENCIES:** Not applicable

**Section 15 – Regulatory Information**

**EPA Regulations:**

**Reportable Quantity –CERCLA:** Not applicable  
**SARA Title III (EPCRA):** Not applicable  
**RCRA Waste Code:** Not applicable

**State Regulations:**

**CA Proposition 65:** Not applicable  
**TSCA Inventory Status:** Listed

**TSCA, 40 CFR 710:** Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

**Section 16 – Other Information**

**Preparation Date:** 02 October 2013  
**Prepared By:** Miller Chemical Regulatory Compliance Officer  
**Revision Date:** 12/10/2018  
**Revision Notes:** Toxicity

**NOTICE TO READER:** THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET (“SDS”) RELATES ONLY TO THE SPECIFIC PRODUCT(S) DESIGNATED HEREIN (THE “PRODUCT”). THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CURRENT AND CORRECT AS OF THE DATE OF THIS SDS, AND OBTAINED FROM SOURCES THAT ARE BELIEVED TO BE RELIABLE. HOWEVER, THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, REPRESENTATIONS OR LICENSE OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO ACCURACY, CORRECTNESS, OR COMPLETENESS, AND NEITHER MILLER CHEMICAL AND FERTILIZER, LLC. NOR ITS MARKETING AFFILIATES (EACH, A “SELLER”) ASSUME ANY LEGAL RESPONSIBILITY FOR THE USE OR RELIANCE UPON SAME.