

# SAFETY DATA SHEET

ABLE AG SOLUTIONS, LLC



**ABLE AG SOLUTIONS, LLC**

Updated August 17, 2019

Page 1 of 3

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Tri-Able™**  
Supplier: ABLE Ag Solutions LLC  
335 North Bracbound Dr. Unit 3  
St Augustine, FL 32084

Product Use: Fertilizer  
CAS Number: Proprietary  
Emergence telephone number: (Chemtrec Information 24 hours) (800)424-9300  
For MSDS, Product Safety or Regulatory inquiries, call: (229)220-6701

## 2. HAZARDS IDENTIFICATION

Reportable Components: None



Primary Routs of Exposure Eyes and Skin

Ingestion: May cause nausea, vomiting and diarrhea.  
Eye Contact: May cause mild eye mucous membranes irritation.  
Skin contact: May cause a mild allergic reaction.  
Inhalation: May cause respiratory and mucosal irritation.  
Other Effects: No information was found in connection with medical conditions aggravated by exposure. This product is not a carcinogen by NTP, OSHA and ACGIN.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Percentage by Weight</u>	<u>CAS Number</u>	<u>Weight%</u>
Total Nitrogen (N)	9	57-13-6	Proprietary
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	6	7758-11-4	Proprietary
Soluble Potash (K <sub>2</sub> O)	4	7757-79-1	Proprietary
Magnesium Sulfate	.5	7487-88-9	Proprietary
Poly-beta-hydroxybutyrate (poly-beta-hydroxybutyric acid)	.62	29435-48-1	
Other inert ingredients	79.88		

## 4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention.

If on Skin: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Seek medical attention.

If Swallow: Call a poison control center or doctor immediately for treatment advice. Have individual 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 Inhaled: Move individual to fresh air, If not breathing. Call 911 or an ambulance, and then give artificial respiration, preferably by mouth-to-mouth, if possible. Seek medical attention.

## 5. FIREFIGHTING MEASURES

Suitable and Extinguishing media: Water spray, foam, CO<sub>2</sub>, or dry chemicals may be used in areas where this product is stored.

All available firefighting means can be used to put out fires: water, sand and fire extinguishers. It is possible to use water delivered via the sprinkler system, foam, dry fire suppression means and carbon dioxide.

Specific Hazards: None.

PPE and Precautions: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Heat may pressure and rupture closed containers, spreading fire and increasing the risk of injury. Notify proper authorities if liquid material enters sewer or public water.

# SAFETY DATA SHEET

ABLE AG SOLUTIONS, LLC



ABLE AG SOLUTIONS, LLC

Updated August 17, 2019

Page 2 of 3

## 6. ACCIDENTAL RELEASE MEASURES

In case of Spill: Stop the flow of material, if this is without risk. Isolate area. Keep unnecessary personnel away. Absorb with an inert material such as sand, soil, or vermiculite and sweep.

Disposal: Disposal of collected waste in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

Avoid eye and skin contact. Wash thoroughly after handling. Store away from direct sunlight in a dry cool ventilated room between - 4 F to + 77 F.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Face Protection: Wear protective eyewear. Contact lenses should not be worn when working with chemicals.  
Skin Protection: Wear long-sleeved shirt, long pants, socks, shoes, and barrier laminate, neoprene rubber, nitrile rubber or Viton<sup>®</sup> gloves.  
Respiratory Protection: None required adequate ventilation conditions exist. If airborne concentrations are above the Applicable exposure limits, use NIOSH approved respiratory 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown-colored liquid	UEL	N/D
Odor:	Faint pine smell	LEL	N/D
Odor Threshold:	N/D	Vapor pressure:	N/D
pH:	6.5	Vapor Density:	N/D
Melting Point:	N/D	Relative Density:	8.4 lbs/gallon
Freezing Point:	N/D	Solubility:	Dispersible in water
Boiling point:	N/D	Partition Coefficient:	N/D
Flash Point:	> 200° F	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D
Flammability:	Nonflammable, incapable of self-combustion and non-volatile.		

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Possibility of Hazardous Reactions: None known.  
Conditions to Avoid:  
Incompatible Materials: None known.  
Hazardous Decomposition Products: May include but are not limited to oxides of carbon and oxides of sulfur, ammonia, and oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

Belongs to Hazard Class 4; it is a low-hazard substance in terms of its impact on human body and warm-blooded animals.

LD50 rats (orally) – 28060 mg/kg

LD50 mice (orally) – 17780 mg/kg

LD50 rats (skin contact) - > 6500 mg/kg

LD50 rats (inhalation) - > 4166 mg/kg

## 12. ECOLOGICAL INFORMATION

Product ingredients do not pose a threat to the natural environment. The product is low hazard to bees (Hazard Class 4). It is low-toxic for aquatic Organism, it is readily metabolized by aquatic organisms. In soil the product is quickly decomposed into non-toxic naturally according components that are widespread in the natural environment. The product can impair growth of fungi and other pathogenic objects on roots and in plant tissues through its extensive immunizing effect.

# SAFETY DATA SHEET

ABLE AG SOLUTIONS, LLC



**ABLE AG SOLUTIONS, LLC**

Updated November 2017

Page 3 of 3

## 13. DISPOSAL CONSIDERATIONS

Component Waste Numbers: No EPA waste Number is applicable for this product's components.  
Disposal Instructions: All waste must be handled in accordance with local, state and federal regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protection Equipment recommendations.  
Container Reuse: An empty container can contain products residue and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse.

## 14. TRANSPORTATION INFORMATION

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

## 15. REGULATORY INFORMATION

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

SARA Title III Hazard Category: Immediate **N** Fire **N** Sudden Release of Pressure **N**  
Delayed **N** Reactive **N**

## 16. OTHER INFORMATION

HMIS Hazard Rating:  
Health: 1  
Flammability: 0  
Reactivity: 0  
Personal Protection: X

Date Prepared: January 30<sup>th</sup>, 2014

Last Updated: August 17<sup>th</sup>, 2019

**WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, ABLE AG SOLUTIONS, LLC 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.