



MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY INFORMATION

Trade Name (as labeled): Premium 4-15-43 + TE

Recommended Use: Refer to product label

Manufactured By: AgroPlantae Inc.
2976 S Peach Ave
Fresno, CA 93725

Business Phone: (559) 498-0388

Emergency Phone: CHEMTREC (800) 424-9300

Date of Preparation: June 2018

SECTION 2. Hazard(s) identification

Emergency Overview:

Steps to be taken if material is released or spilled: Avoid breathing dusts. Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local and provincial regulations for proper disposal.

Caution: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Symptoms Of Over Exposure:

Eyes: May cause inflammation, redness, and possible damage with prolonged exposure.

Skin: Prolonged or repeated exposure may cause skin ulcerations and /or burns.

Inhalation: It may cause headaches, nausea, or weakness in case of prolonged exposure. Oxygen can be administered if breathing becomes difficult.

Ingestion: May result in nausea, vomiting, diarrhea, digestive disorders, or chemical burns.

Hazardous Material Information Rating System:

(0 = least; 1 = slight; 2 = moderate; 3 = high; 4 = extreme)

Health (blue) 1

Flammability (red) 0

Reactivity (yellow) 0

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS			
Chemical Name	CAS #	Exposure Limits In Air	
		ACGIH TVL (ppm)	OSHA PEL (ppm)
Potassium Sulphate	7778-80-5	N/E	N/E
Potassium phosphate monobasic	7778-77-0	N/E	N/E
Potassium nitrate	71757-79-1	N/E	N/E
Ethylendiaminetetraacetic acid copper-disodium complex.	14025-15-1	N/E	N/E
Ethylendiaminetetraacetic acid iron-sodium complex.	15708-41-5	N/E	N/E
Ethylendiaminetetraacetic acid manganese-disodium complex.	15375-84-5	N/E	N/E
Ammonium molybdate(VI) tetrahydrate	12054-85-2	N/E	N/E
Ethylendiaminetetraacetic acid zinc-disodium complex.	14025-21-9	N/E	N/E
Boric acid	10043-35-3	N/E	N/E
NE = Not Established NA = Not Available			

SECTION 4. FIRST-AID MEASURES	
<u>If Inhaled:</u>	Remove to fresh air. If breathing becomes difficult, contact a medical physician. Give artificial respiration if victim is not breathing and obtain immediate medical attention.
<u>If Ingested:</u>	Call physician or Poison Control Center immediately for most current information. Dilute with milk, egg whites, or water. Do not induce vomiting.
<u>In Case Of Skin Contact:</u>	Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if skin irritation or burning persists.
<u>In Case Of Eye Contact:</u>	Flush immediately with water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Contact a medical physician immediately.
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273. Have the product label or container with you when calling a poison control centre or doctor, or going for treatment.	

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point (°F/Test Method): Does not flash.

Flammable Limits (LFL & UFL): Not established

Extinguishing Media: Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide (CO₂), foam, water spray or fog.

Hazardous Combustion Products: May include but are not limited to oxides of carbon, ammonia, oxides of nitrogen, oxides of phosphorous, cyanuric acid, and other asphyxiants.

Special Firefighting Procedures: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards: Dusts or vapors can travel to a source of ignition and flash back.

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Avoid breathing dusts. Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local and provincial regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 7. STORAGE AND HANDLING

HANDLING: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, fold and roll back bags, clamp and close tightly. Do not contaminate water, food or feed by storage and disposal.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation/Engineering Controls: Use with adequate ventilation to keep airborne levels below recommended exposure limits.

Respiratory Protection: If work conditions generate vapors or mist, wear a NIOSH approved respirator appropriate for those emission levels. Appropriate respirator may be a full facepiece respirator, an SCBA in the pressure demand mode, or a supplied-air respirator.

Eye Protection: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, contact lenses should not be worn when working with chemicals because they contribute to the severity of an eye injury.

Hand Protection: Rubber gloves with gauntlets.

Body Protection: Use body protection appropriate for task. Chemical-resistant coveralls and rubber aprons are generally acceptable.

Other Protective Measures: An eyewash and safety shower should be nearby and ready for use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State: Powder	Appearance: Green
Upper/lower flammability or explosive limits: NA	Odor: Odorless
Vapor Pressure: NA	Odor threshold: NA
Vapor Density (air = 1): NA	pH: (5% solution) NA
Relative Density: NA	Melting point: Breaks down without melting
Freezing Point: NA	Water Solubility: 100%
Initial Boiling point and boiling range: NA	Flash Point: NA
Evaporation rate: NA	Flammability: NA
Partition coefficient: NA	Auto-ignition temperature: NA
Decomposition temperature: NA	Viscosity: NA
Specific Gravity (H2O = 1): NA	NA= Not Available

SECTION 10. STABILITY AND REACTIVITY
<p>Stability: Stable.</p> <p>Conditions To Avoid: High temperatures, strong bases, oxidizing agents, certain metals (steel, aluminum alloy, brass, tin, zinc).</p> <p>Incompatibility: Strong acids and bases.</p> <p>Hazardous Decomposition Products: May include but are not limited to oxides of carbon, ammonia, oxides of nitrogen, oxides of phosphorous, cyanuric acid, and other asphyxiants.</p> <p>Hazardous Polymerization: Will not occur.</p>

SECTION 11. TOXICOLOGICAL INFORMATION	
Acute Oral LD50 (male rat): >2000 mg/kg	Acute Dermal LD50 (rabbit): Not established
Eye Irritation (rabbit): Causes irritation	Skin Irritation (rabbit): May cause irritation
Inhalation LC50 (female rat): Not established	Skin Sensitization (Guinea Pig): Not established
Carcinogenic Potential: Not listed in OSHA, NTP, IARC, or ACGIH	Target Organs: None

SECTION 12. ECOLOGICAL INFORMATION

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

Effect Of Material On Plants/Animals: May be harmful to fish, livestock, and wildlife. Dissolved mineral salts may cause irritation of the digestive tract. Non-persistent. Non-cumulative when applied using normal agricultural practices.

Effect Of Material On Aquatic Life: Releases of large quantities into a body of water can substantially alter the nutrient composition of the water and affect aquatic plant and animal life. Sub-lethal concentrations in water can have adverse physiological effects on marine species.

SECTION 13. DISPOSAL CONSIDERATIONS

Do not reuse containers for any purpose. Completely empty bag into application equipment. Container is to be disposed of at a container collection site. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food, or feed by storage or disposal.

SECTION 14. TRANSPORTATION INFORMATION

DOT/TDG Shipping Description: NOT REGULATED

U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; DRY (NMFC 50320, SUB 5; CLASS 50)

IMDG Shipping Description: NOT REGULATED

Consult appropriate ICAO/IATA regulations for shipment requirements in the Air shipping mode.

SECTION 15. REGULATORY INFORMATION

SARA Reporting Requirements: This material does contain toxic chemicals subject to the requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986.

California Proposition 65: WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16. OTHER INFORMATION

Issue Date: March 2015

Version #: 01

Further Information: Not available

Disclaimer: The information and recommendations herein are taken from data contained in independent, industry recognized references including NIOSH, OSHA, ANSI, and NFPA. This information is, as of date listed above, true and accurate to the best of AgroPlantae, Inc. knowledge. It is intended for use by persons possessing technical knowledge and at their own discretion and risk. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by AgroPlantae, in conjunction with the use of this information. Actual conditions of use and handling may require consideration of information other than, or in addition to, that which is provided herein.