



# Safety Data Sheet

Issue Date: no data available

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Version: 1

## 1. IDENTIFICATION

**Product Identifier:**

**Product Name:** Agriform® Planting Tablets 20-10-5 Plus Minors  
**Product Number(s):** G90915  
**Formula No.:** S12980

**Recommended Use of the Chemical and Restrictions on Use:**

**Description:** Slow Release Fertilizer

**Company:**

Everris NA Inc.  
P.O. Box 3310  
Dublin, OH 43016

**24-HOUR EMERGENCY TELEPHONE NUMBERS:**

CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-800-492-8255

## 2. HAZARD(S) IDENTIFICATION

**OSHA Regulatory Status:** This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious Eye Damage or Eye Irritation

Category 1

**Label Elements:**

### Emergency Overview

**Danger**

**Hazard Statements:**

Causes serious eye damage



**Appearance:** granulate

**Physical State:** Solid

**Odor:**

Fertilizer

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

**Hazards Not Otherwise Classified (HNOC):**

**Other Information:**

- Causes mild skin irritation
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

**Unknown Acute Toxicity:**

8.86% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS-No	Weight %	Trade Secret
Triple Superphosphate; TSP	7758-23-8	20-30	*
Potassium sulphate; K <sub>2</sub> SO <sub>4</sub>	7778-80-5	10-20	*
Norfox (soap)	8052-48-0	1-5	*
Iron sulphate; FeSO <sub>4</sub> +1H <sub>2</sub> O	7720-78-7	1-5	*
Sodium borate; Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	1330-43-4	0.1-1	*
Copper sulphate anh; CuSO <sub>4</sub>	7758-98-7	0.1-1	*
Zinc sulphate mono hydrate; ZnSO <sub>4</sub> +1H <sub>2</sub> O	7446-19-7	0.1-1	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST-AID MEASURES**

**First Aid Measures:**

**Eye Contact:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin Contact:**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion:**

Call a poison control center or doctor immediately for treatment advice. Have person 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.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:**

**Notes to Physician:**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

Water spray, carbon dioxide, dry chemical, chemical foam.

**Specific hazards:**

Dust clouds may be explosive.

**Hazardous Combustion Products:**

Combustion can produce toxic fumes and irritating gases.

**Explosion Data:**

**Sensitivity to Mechanical Impact:**  
no data available.  
**Sensitivity to Static Discharge:**  
no data available.

**Special Protective Equipment for Firefighters:** In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:**

**Personal Precautions:** Wear personal protective equipment. Avoid contact with eyes.

**Environmental Precautions:** Prevent product from entering drains.

**Methods and Material for Containment and Cleanup:**

**Methods for containment:** Use good housekeeping practices. Clean up promptly by sweeping or vacuum.  
**Methods for Cleanup:** If material is uncontaminated, collect and reuse as recommended for product.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling:**

**Handling:** Avoid container breakage. Avoid contact with eyes. Keep out of reach of children and pets.

**Conditions for Safe Storage, Including any Incompatibilities:**

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters:**

**Exposure Guidelines:**

<b>Ingredients</b>	<b>CAS-No</b>	<b>ACGIH:</b>	<b>OSHA:</b>	<b>IDLH:</b>
Triple Superphosphate; TSP	7758-23-8	Not Listed	Not Listed	Not Listed
Potassium sulphate; K2SO4	7778-80-5	Not Listed	Not Listed	Not Listed
Norfox (soap)	8052-48-0	Not Listed	Not Listed	Not Listed
Iron sulphate; FeSO4+1H2O	7720-78-7	1 mg/m <sup>3</sup> TWA	Not Listed	Not Listed
Sodium borate; Na2B4O7	1330-43-4	2 mg/m <sup>3</sup> TWA	Not Listed	Not Listed
Copper sulphate anh; CuSO4	7758-98-7	1 mg/m <sup>3</sup> TWA	Not Listed	100 mg/m <sup>3</sup> IDLH Cu
Zinc sulphate mono hydrate; ZnSO4+1H2O	7446-19-7	Not Listed	Not Listed	Not Listed

**Appropriate Engineering Controls:**

**Engineering Measures to Reduce Exposure:** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

**Individual Protection Measures, Such as Personal Protective Equipment:**

**Eye/Face Protection:** Safety glasses with side shields or goggles. Wear face-shield and protective suit for abnormal processing problems.

**Skin and Body Protection:** Wear suitable protective clothing, impervious gloves.

**Respiratory Protection:** When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.

**General hygiene considerations:** Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties:

<b>Physical State:</b>	Solid	<b>Appearance:</b>	granulate
<b>Color:</b>	Blue green, Tan	<b>Odor</b>	No information available
<b>Odor:</b>	Fertilizer	<b>Threshold:</b>	

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
<b>pH:</b>	No information available	
<b>Melting Point/Freezing Point:</b>	No information available	
<b>Boiling Point/Range:</b>	No information available	
<b>Flash Point:</b>	No information available	
<b>Evaporation Rate:</b>	No information available	
<b>Flammability (solid, gas):</b>	No information available	
<b>Flammability Limits in Air:</b>		
<b>Upper Flammability Limit:</b>	No information available	
<b>Lower Flammability Limit:</b>	No information available	
<b>Vapor Pressure:</b>	No information available	
<b>Vapor Density:</b>	No information available	
<b>Specific Gravity:</b>	No information available	
<b>Solubility:</b>	No information available	
<b>Solubility in other Solvents:</b>	No information available	
<b>Partition Coefficient:</b>	No information available	
<b>Autoignition Temperature:</b>	No information available	
<b>Decomposition Temperature:</b>	No information available	
<b>Kinematic Viscosity:</b>	No information available	
<b>Dynamic Viscosity:</b>	No information available	
<b>Explosive Properties:</b>	No information available	
<b>Oxidizing Properties:</b>	Not considered an oxidizer	

### Other Information:

<b>Softening Point:</b>	No information available
<b>Molecular Weight:</b>	No information available
<b>VOC Content (%):</b>	No information available
<b>Density:</b>	No information available
<b>Bulk density:</b>	45-65 lbs/cu.ft.

## 10. STABILITY AND REACTIVITY

**Reactivity:** Stable under normal conditions

**Chemically Stable:** yes.

**Conditions to Avoid:** Damp or wet conditions. Extreme heat.

**Materials to avoid** Oxidizing agent.

**Hazardous Decomposition Products:** Toxic fumes and gases may be generated. Metal oxides possible.

**Possibility of Hazardous Reactions:** Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION**

**Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):**

**Eye effects:** Causes serious eye damage  
**Skin effects:** May cause skin irritation  
**Ingestion:** Health injuries are not known or expected under normal use.  
**Inhalation:** Health injuries are not known or expected under normal use.

**Component Information:**

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Triple Superphosphate; TSP 7758-23-8	= 17500 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	-
Potassium sulphate; K2SO4 7778-80-5	= 6600 mg/kg ( Rat )	-	-
Iron sulphate; FeSO4+1H2O 7720-78-7	= 500 mg/kg ( Rat )	-	-
Sodium borate; Na2B4O7 1330-43-4	= 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Copper sulphate anh; CuSO4 7758-98-7	= 300 mg/kg ( Rat )	= 1000 mg/kg ( Rabbit )	-

**Information on Toxicological Effects:**

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

**Mutagenic effects:** No information available.  
**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Ingredients	ACGIH - Carcinogens	IARC:	NTP Report on Carcinogens List -	OSHA
Sodium borate; Na2B4O7 1330-43-4	A4	-	-	-

**Reproductive Toxicity:** No information available.  
**STOT - Single Exposure:** No information available.  
**STOT - Repeated Exposure:** No information available.  
**Aspiration Hazard:** No information available.

**Numerical Measures of Toxicity - Product Information:**

**Unknown Acute Toxicity:** 8.86% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document:**  
**ATEmix (oral):** 23550 mg/kg  
**ATEmix (dermal):** 35482 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

**Unknown Aquatic Toxicity:** 8.86% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects:** Toxic to aquatic life with long lasting effects.

**Persistence and degradability:** Inherently biodegradable. Non-persistent.

**Mobility:** Water contaminating.

**Additional ecological information:** Do not apply directly to lakes, streams, or ponds. This product contains boron and should be used according to directions only, especially on crops sensitive to boron uptake.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods:**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Do not reuse container.

**14. TRANSPORT INFORMATION**

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

**DOT (Land)** Not DOT regulated  
**IATA (Air)** Not regulated  
**IMO/IMDG (Vessel)** Not regulated

**15. REGULATORY INFORMATION**

**Federal Regulations:**

**SARA 313:**  
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories:**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act):**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Ingredients	CWA - Reportable Quantities	CWA - Toxic Pollutants	Clean Water Act - Priority Pollutants	Clean Water Act - Hazardous Substances
Iron sulphate; FeSO4+1H2O 7720-78-7	-	-	-	Present

Copper sulphate anh; CuSO4 7758-98-7	-	-	-	Present
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**CERCLA:**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Ingredients	CERCLA/SARA 313	CERCLA/SARA RQ	Reportable Quantity (RQ)
Iron sulphate; FeSO4+1H2O 7720-78-7	1000 lb final RQ 454 kg final RQ	-	--
Copper sulphate anh; CuSO4 7758-98-7	10 lb final RQ 4.54 kg final RQ	-	--

**State Regulations (RTK):**

**California Proposition 65:**

**U.S. State Right-to-Know Regulations:**

**U.S. EPA Label information:**

**EPA Pesticide Registration Number:**

not applicable

**16. OTHER INFORMATION**

**NFPA:** Health: 2 Flammability: 1 Reactivity: 1

**HMIS:** Health: 2 Flammability: 1 Reactivity: 1

**Revision Date:** 11-Sep-2014

**Revision Note:**

**Reason for revision:** None

**Disclaimer**

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**End of Safety Data Sheet**