



## Tru-prill®19-0-17 Homogeneous Fertilizer

### MATERIAL SAFETY DATA SHEET

Plant Science, Inc  
2934 Vandorf Sideroad  
Gormley, Ontario  
L0H 1G0

In case of emergency call:  
1-613-996-6666 (CANUTEC)  
Non-emergency calls:  
1-905-713-3939

**Date Prepared:** December 1<sup>st</sup>, 2014

#### **SECTION ONE – MATERIAL IDENTIFICATION**

Product Name: **TRU-PRIL 19-0-17 micro grade homogeneous fertilizer (SGN 90)**

Product Code: **2190A**

#### **SECTION TWO – HAZARDOUS COMPONENTS**

Component Material	CAS #	OSHA PEL	ACGIH TLV
Methylene urea	06/05/9011	15mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Urea	57-13-6	None	None
Potassium Sulfate	7778-80-5	None	None
Ferrous oxide	1332-37-2	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Ferrous sulfate	7720-78-7	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>
Calcium Magnesium Carbonate	16389-88-1	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Zinc Sulfate	7733-02-0	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Zinc oxide	1314-13-2	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Manganese Sulfate	7785-87-7	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Manganese oxide	1344-43-0	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Magnesium Oxide	1309-48-4	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Copper sulfate	7758-99-8	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>
Boric acid	11130-12-4	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>
Copper oxide	1317-39-1	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>
Nuisance Dust	N/A	15mg/m <sup>3</sup>	10mg/m <sup>3</sup> (respirable)

#### **SECTION THREE – FIRST AID PROCEDURES**

**Eyes:** Flush with water for 15 minutes holding eyelids open. Get medical attention if irritation persists.

**Ingestion:** Never give anything by mouth to an unconscious or convulsing person. Have person drink one to glasses of water, and then induce vomiting until vomit is clear. Contact physician immediately.

**Skin:** Wash affected area with soap and water

**Inhalation:** Remove to fresh air. Treat symptomatically.

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### SECTION FOUR – HEALTH HAZARD INFORMATION

Summary of Risks: Possible skin or eye irritation, nausea, vomiting, or diarrhea. Inhalation of heavy concentrations of dust which contains manganese over prolonged periods (1-3 years) has been reported to cause damage to the central nervous system.

Primary Entry Routes: Ingestion, inhalation

Acute Effects: See summary

Chronic effects: None known

Medical conditions which may be aggravated by contact: Inhalation of dust may aggravate asthmatic condition, skin abrasions and sores

Ingredients listed as Carcinogens:

IARC Monographs:	No
NTP:	No
OSHA:	No

### SECTION FIVE – EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Personal Protective Equipment**

Goggles: Not required for normal use as a fertilizer but suggested as a means of avoiding contact with eyes.

Gloves: Not required for normal use as a fertilizer.

Respirator: If airborne dust levels are high, use of a NIOSH/MSHA approved respirator is recommended.

#### **Workplace Considerations**

Ventilation: Adequate ventilation recommended when potential for dust is high.

Safety Situations: Running water should be available in case of eye contact.

### SECTION SIX – PHYSICAL HAZARD INFORMATION

#### **Fire and Explosion**

Flash Point (Test Method): N/A      Flammable Limits (% in air): N/A      Auto Ignition Temperature: N/A

#### **Physical Properties**

Appearance: Granular	Melting Point: N/A	Boiling Point: N/A
Solubility in Water: N/A	Specific Gravity: N/A	Vapor Pressure: N/A
Evaporation Rate: N/A		

#### **Reactivity**

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None known
Hazardous Decomposition Products, Unusual Fire, Explosion and Reactivity Hazards	Urea and urea/aldehyde condensation products can produce ammonia in a fire. Oxides of Nitrogen, carbon, sulphur, and potassium may also be produced.
Chemical Incompatibilities:	None known
In Case of Fire:	Evacuate area. Flood with water to cool containers. Wear self-contained breathing apparatus. Contain run-off, as it may be toxic to aquatic organisms.
Extinguishing Media:	CO <sub>2</sub> , dry chemical, water fog or foam.

### SECTION SEVEN – REGULATORY INFORMATION

**DOT Classification:** Not DOT regulated

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### **SECTION EIGHT – STORAGE AND SPECIAL PRECAUTIONS**

#### **Precautions to be taken in handling and storage**

Consult product label. Keep out of reach of children. Avoid bag breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water when disposing of equipment wash waters. Keep out of lakes, streams, or ponds. Store in a clean, dry place. Reseal opened bag(s) by folding top down and securing. Use only clean, dry spreaders. Do not store unused product in spreaders.

In Case of Spills: Sweep up spills. Avoid contact with skin, eyes or clothing. Wash after handling.

Waste Management/Disposal: Dispose of on site or remove to approved landfill.

**DISCLAIMER:** This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. No warranty of merchantability, fitness for any particular purpose, or any other warranty, express or implied, made as concerns the information herein provided. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.