

## Material Safety Data Sheet

Original Version: January 6, 2006

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Version: 9

### Section 1- Product Identification and Use

**Trade Name:** Wolf Trax Copper DDP (57.5% Copper)

**Product Use:** Fertilizer (Plant Food)

**Manufacturer:**

Wolf Trax Inc.

800 – One Research Road

Winnipeg, Manitoba

Canada, R3T 6E3

**Telephone:** 204-237-9653

### Section 2 -Hazardous Ingredients

The following chemical ingredients are hazardous under OSHA's Hazard Communication Rule, 29 CFR 1910.1200.

Cuprous Oxide (Cu<sub>2</sub>O) CAS# 1317-39-1

Cupric Oxide (CuO) CAS # 1317-38-0

**International Regulations:**

**Chemical Name:** Copper compounds (57.5% Cu)

CAS #: Copper Sulfate Pentahydrate 7758-98-7

Based on the toxicological properties of Copper this is a WHMIS controlled product under The House of Commons of Canada Bill C-70, Class D, Division 2, Subdivision B Toxic labels are required in Canada.



**RCRA:** This material as supplied is not a listed or characteristic hazardous material as defined by RCRA

**TSCA:** This material is not on the TSCA 8 (a) list; therefore no special reporting is required. As an inorganic substance it is exempt from Inventory Update Reporting.

**State Regulations:**

**California proposition 65:** This product does not contain any chemicals, which require warning under California Proposition 65.

**Michigan Critical Materials:** This product does not contain ingredients listed on the Michigan Critical Materials Registered.

### **Section 3 Physical Data**

<b>Physical State</b>	Powder
<b>Vapour Pressure</b>	Not applicable
<b>pH (5% aqueous solution)</b>	5.12
<b>Odour/Appearance</b>	Blue/Grey powder with no odour
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Boiling Point (°C)</b>	Not applicable
<b>Odour Threshold</b>	Not applicable
<b>Coeff. Water/Oil Dist.</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Vapour Density</b>	Not applicable

### **Section 4 Fire and Explosion Data**

<b>Flammability</b>	Not applicable
<b>Means of Extinction</b>	Water, CO <sub>2</sub>
<b>Flashpoint (°C) And Method</b>	Not applicable
<b>Upper Flammable Limit (% By Volume)</b>	Not applicable
<b>Lower Flammable Limit (% By Volume)</b>	Not applicable
<b>Autoignition Temp (°C)</b>	Not applicable
<b>Hazardous Combustion Products</b>	None known
<b>Explosion Data</b>	None

### **Section 5 Reactivity Data**

<b>Chemical Stability</b>	Stable
<b>Incompatibility with Other Substances</b>	None
<b>Reactivity, and Under What Conditions</b>	No
<b>Hazardous Decomposition Products</b>	None known

### **Section 6 Toxicological Properties**

<b>Route of Entry....</b>	
<b>Skin Contact</b>	May cause skin irritation
<b>Skin Absorption</b>	Low Toxicity
<b>Eye Contact</b>	May cause irritation, tearing, and redness
<b>Inhalation</b>	May cause respiratory irritation. May increase the incidence of upper respiratory infections.
<b>Ingestion</b>	Relatively non-toxic may cause gastric irritation and nausea or diarrhea if ingested in large quantities.

## **Section 6 Toxicological Properties (Cont.)**

<b>Exposure Limits</b>	Not applicable
<b>Irritancy of Product</b>	Not Applicable
<b>Sensitization To Product</b>	Not Applicable
<b>Carcinogenicity</b>	Not a listed carcinogen
<b>Teratogenicity</b>	Non-teratogenic
<b>Reproductive Toxicity</b>	Not Applicable
<b>Mutagenicity</b>	Non-mutagenic
<b>Synergistic Products</b>	None

## **Section 7 Preventative Measures**

<b>Personal Equipment</b>	Wear PVC or rubber gloves
<b>Respirator</b>	A filtering facepiece dust mask is recommended for most applications. A NIOSH/MSHA-approved dust and mist respirator may be used under conditions where airborne concentrations are very high.
<b>Eye</b>	Wear safety glasses or goggles. Hand wash bottles containing clean water available.
<b>Footwear</b>	Not required
<b>Clothing</b>	Not required
<b>Engineering Controls</b>	Mechanical ventilation not required
<b>Leak and Spill Procedure</b>	Use clean-up procedure that minimizes exposure to dust (vacuuming is preferred).
<b>Waste Disposal</b>	Dispose of according to local or government regulations for non-hazardous materials.
<b>Handling Procedures</b>	Keep in original container.
<b>Storage Requirements</b>	Store in dry place away from children and livestock
<b>Shipping Information</b>	No special requirements

## **Section 8 First Aid Measures**

<b>Inhalation</b>	Remove to fresh air. Refer to physician.
<b>Eye Contact</b>	Flush eyes with large volumes of freshwater for 15 minutes. Refer to physician.
<b>Skin Contact</b>	Remove contaminated clothing.
<b>Ingestion</b>	Rinse out mouth with water. Do not induce vomiting. Get prompt medical attention.

## **Section 9 Transportation Information**

Canadian TDG Act /U.S DOT Classification/ International Marine Dangerous Goods (IDMG): Not regulated  
Special Shipping Information: No special requirements

## **Section 10 Regulatory Information**

### **Canada**

**CEPA-NSNR:** All constituents of this product are included on the DSL

**CEPA-NPRI:** Copper (and its compounds)

**Controlled Products Regulations Classification (WHMIS):**

D-2B Toxic (skin and eye irritant)

### **United States of America**

**Environmental Protection Act:**

All constituents of this product are included on the TSCA inventory.

**OSHA Hazard Communication:**

(29CFR 1910.1200) Classification: Toxic; Skin and Eye irritant.

**NFPA:**

1 Health, 0 Fire, 0 Reactivity