

# Material Safety Data Sheet

Product: Key Plex 1000 DP

May be used to comply with OSHA's Hazard Communication Standard  
29CFR 1910. Standard must be consulted for specific requirements.

**QUICK IDENTIFIER**  
Common Name: (Used on label and list)

## SECTION 1 - Zinc, Iron, Manganese, and Magnesium; Glucoheptanate and Boron

Manufacturer's Name: Proplus Golf Services, Inc      Emergency Telephone Number: 1-866-375-2487  
Address: 149 County Line Rd      Other Information Calls: 1-863-375-2487  
City, State, and Zip: Bowling Green FL 33834      Date Prepare: 10/22/07

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	EXPOSURE LIMITS	CAS NO.
Ferrous Sulfate				
Magnesium Sulfate				
Zinc Sulfate				
Proprietary Compound #1	N/A	N/A		
Proprietary Compound #2	N/A	N/A		

## SECTION 3- PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: N/A      Specific Gravity: 1.4      Vapor Pressure: N/A

Vapor Pressure: N/A      Reactivity in Water: Soluble      Melting Point: N/A

Appearance and Odor: Dark opaque with sweet smell

## SECTION 4- FIRE & EXPLOSION DATA

Flash Point: N/A °F      Method Used: N/A  
Flammable Limits in Air: N/A      LEL Lower:      UEL Upper:        
Auto-Ignition Temp: N/A      Extinguisher Media: Non flammable if involved in fire, can extinguish with dry chemical; CO<sub>2</sub>, water spray or foam.

**Special Fire Fighting Procedures:** This product is non-flammable, and does not support combustion. If heated to decomposition, Sulfur dioxide fumes could be emitted.  
Use of self contained breathing apparatus is recommend when there is extreme heat.

**Unusual Fire and Explosion Hazards:** If this product is heated to an anhydrous state it will omit Sulfur dioxide which are hazardous if inhaled. Exposure to high heat can emit toxic vapors.

## SECTION 5- PHYSICAL HAZARDS (REACTIVITY DATA)

Stability:  Stable       Unstable      Conditions to Avoid: Excessive heat

Incompatibility  
Materials to Avoid!: Phosphoric acid could cause metal phosphates in concentrated form.

## SECTION 5- PHYSICAL HAZARDS (REACTIVITY DATA)..Continued

Hazardous Decomposition Products: SO<sub>2</sub> vapors.

Hazardous Polymerization: May Occur:

Will Not Occur:

Conditions to Avoid: Extreme Heat.

## SECTION 6- HEALTH HAZARDS

ACUTE: Mild skin irritant, conjunctivitis, upset stomach and or gastrointestinal symptoms are temporary.

CHRONIC: Prolonged skin contact may result in dermatitis (drying) or eczema (itching)

CARCINOGEN  
LISTED IN:

NTP  
IARC MONOGRAPH

OSHA  
NOT LISTED

### ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES

- |                |  |
|----------------|--|
| 1. Inhalation: | <u>Move victim to fresh air and perform artificial respiration if necessary. Call physician if symptoms persist.</u> |
| 2. Eyes:       | <u>Flush eyes with running water for 15 minutes.</u>   |
| 3. Skin:       | <u>Wash with soap and water, remove contaminated clothing.</u>   |
| 4. Ingestion:  | <u>Give large amounts of water and INDUCE VOMITING. Call a physician immediately.</u>                                |

## SECTION 7- SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

### cautions to be Taken

Handling and Storage: Store in cool ventilated place away from fire hazards, excessive heat, flammable or easily oxidizable materials.

Other Precautions: Do not allow product to go below 35 degrees. Apply product in open areas. Keep away from children and pets. Do not contaminate any water sources.

Steps to be taken in case of Release or Spill Clean at once. Do not allow dry material or come in contact with heat.

Waste Disposal: Consult federal, state, and local regulations  
Flush with water to and collect in a chemical waste disposal. Dispose according to federal, state and local regulations.

## SECTION 7- CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: None required if used in open under normal conditions.  
Self contained respiratory equipment should be used in the event of a spill.

Protective Gloves: Rubber or plastic.

Eye Protection: Goggles or face shield.

Other Protective Clothing or equipment: Wear clean clothing.

Hygienic Work Practice Bath and wash clothes after mission is complete.