

# MATERIAL SAFETY DATA SHEET

## MICROSCOPIC SULPHUR PCP# 14653

### 1. PRODUCT INFORMATION

#### EMERGENCY NUMBERS

UNITED AGRI PRODUCTS CANADA INC.  
789 Donnybrook Drive  
Dorchester, Ontario  
N0L 1G5

During Working Hours (UAP) 1-800-265-4624  
After Hours 1-800-561-8273  
Canutec (Collect) 1-613-996-6666  
Chemtrec 1-800-424-9300  
Exposure Reporting –Prosar 1-800-301-7976

**Preparation of Information:** Irwin Schmidt, 1-800-265-4624  
**Reference:** Platte Chemical Company's Wetable Sulfur Spray MSDS

**Date Issued:** January 7, 2005

**Chemical Identity:** Sulphur  
**Product Use:** Fungicide

### 2. HAZARDOUS INGREDIENTS

Hazardous Ingredients (CAS or UN Number)	Content	AOLD <sub>50</sub> (Rat)	ADLD <sub>50</sub> (Rabbit)	AILC 50(Rat)
Sulphur(s) (CAS: 7704-34-9)	92%	>5000 mg/kg	>2000mg/kg	5.04mg/L(4H)

### 3. PHYSICAL INFORMATION

**Appearance & Odour:** Light yellow powder with mild sulphur odour.

**Specific Gravity:** n/a  
**Density (g/mL):** .55g/mL  
**pH:** n/e

**Boiling Pt°C:** n/a  
**Freezing Pt°C:** n/a  
**Solubility in Water:** Wetable

**Vapour Density (air = 1):** n/a  
**Vapour Pressure (mm):** n/a  
**Evaporation Rate:** n/a

### 4. FIRE or EXPLOSION HAZARD

**Flammability (Specify Conditions):** n/e

**Flash Pt °C (method):** 168 c.o.c.

**Means of Extinction:** Dry chemical, CO<sub>2</sub>, foam, water spray or fog.

**Special Fire Fighting Procedures:** Smoke and fumes from fire may contain hazardous components. Use self contained breathing apparatus and full protective clothing. Fight fire from upwind side. Avoid run-off. Keep non-essential personnel away from immediate fire area, and out of any fall out or run-off areas.

**Hazardous Combustion Products:** SO, SO<sub>2</sub>, H<sub>2</sub>S. and other unknown hazardous materials may be formed in a fire situation.

**Unusual Fire & Explosion Hazards:** If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies. Dusts may present explosion hazard.

Combustion of sulphur may form toxic and irritating SO<sub>2</sub>; molten sulphur may liberate hazardous H<sub>2</sub>S.

### 5. REACTIVITY INFORMATION

**Stability (Conditions to avoid):** Stable (excessive heat). Dusts suspended in air ignite readily.

**Reactivity & Under What Condition:** None known.

**Incompatibility (Materials to avoid):** Powdered sulphur forms explosive mixtures with oxidizing agents (chlorates, nitrates, etc.). Mixtures with powdered carbon may ignite spontaneously. Reacts with alkalis.

**Hazardous Decomposition Products:** SO, SO<sub>2</sub>, H<sub>2</sub>S. and other unknown hazardous materials may be formed in a fire situation

## 6. HEALTH HAZARD INFORMATION

**Routes of Entry:** Skin and eye contact, acute inhalation and ingestion.

**Effects of Overexposure:** Sulphur is essentially non-toxic either through ingestion, inhalation or skin contact.

**Exposure Limits:** TLV TWA for H<sub>2</sub>S: 10 ppm

**Irritancy of Product:** Prolonged inhalation may cause irritation of the mucous membranes. Sulphur dust is an eye irritant.

**Sensitization of Material:** Because of the irritating effects of this material, persons having respiratory, eye, or skin disorders should avoid unnecessary exposure to this material. Pre-existing skin or respiratory disorders may be aggravated by excessive exposure to this material.

**Carcinogenicity:** Not known. None of the components in this product is listed by IARC, NTP or OSHA as a potential carcinogen.

## 7. PREVENTATIVE MEASURES

**Respiratory Protection:** Not normally required. If vapours may exceed acceptable levels, or irritation occurs, wear MSHA/NIOSH approved respirator or mask to protect against sulfur dusts.

**Eyes:** Goggles/Face Shield

**Gloves:** Rubber or Impervious

**Footwear:** Rubber or Impervious

**Clothing:** Coveralls or Impervious apron when handling concentrate.

**Other:** Work in well ventilated area.

**Engineering Control:** Use if ventilation is not adequate. Not normally required.

**Leak & Spill Procedures:** Contain spill; vacuum, scoop or sweep up and place in container for disposal. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**Waste Disposal:** For more information on the disposal of unused, unwanted product and the cleanup of spills, contact the provincial regulatory agency or the manufacturer.

**Storage Requirements:** Store in a cool, dry place away from children, food and feed products. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spill which occur during handling and storage.

## 8. FIRST AID MEASURES

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If On Skin:** Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

**If In Eyes:** Flush with running water for at least 15 minutes while holding eyelids open to help flush out material. Get medical attention.

**Ingestion:** Drink 1 - 2 glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Keep head lower than chest to avoid aspiration into lungs. Call physician immediately or contact a poison control centre.

**Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen; if breathing stops administer artificial respiration. Get medical attention immediately.

## 9. TRANSPORTATION INFORMATION

**CANADA TDG-**Not regulated.

**US DOT-**

**IMDG** (Marine)

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**n/a = not applicable**

**n/e = not established**