



## MATERIAL SAFETY DATA SHEET

MSDS

DATE: 07/23/07

NEW

REVISED

Agrium Advanced Technologies  
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EMERGENCY PHONE NUMBERS:

PURSELL: 1-800-633-6560

CHEMTREC 1-800-424-9300

### SECTION - I - PRODUCT INFORMATION

PRODUCT NAME: **POLYON® SULFATE OF POTASH GRADE 0-0-50, 0-0-45** PRODUCT NUMBER: PCSOP

CHEMICAL NAME: Polymer-coated Potassium Sulfate

CHEMICAL CLASS: Potash; Urethane

EPA REGISTRATION NUMBER: NA

EPA ESTABLISHMENT NUMBER: NA

NFPA RATING: Health - 1 Flammability - 0 Reactivity - 0 Special - None

NFPA CODES: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

### SECTION - II - INGREDIENT INFORMATION

INGREDIENT	CAS NUMBER	PEL	TLV	% BY WEIGHT
Potassium Sulfate	7778-80-5	NI	NI	90-95
Polyurethane coating	NA	NI	NI	4.5-9.5
Wax	NI	NI	NI	0.5

### SECTION - III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA

Bulk Density: 88 - 90 lbs/ft<sup>3</sup>

Vapor Pressure (mmHg): NA

Melting Point: NA

Vapor Density (Air =1): NA

Evaporation Rate(Butyl Acetate=1): NA

Solubility in Water: Fertilizer chemicals are water soluble. Polyurethane coating is water insoluble.

Appearance and Odor: Beige, brown, orange, yellow, white, and/or green fertilizer granules. Slight fertilizer salt odor.

### SECTION - IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA

Flammable Limits: LEL: NA UEL: NA

Extinguishing Media: Water spray, dry chemical, CO<sub>2</sub>, sand, or fine earth. Material is essentially non-flammable.

Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Short term exposure to smoke, fumes, and gases can lead to irreversible lung injury without early signs and symptoms. Use extinguishing media suitable for the surrounding fire.

Unusual Fire and Explosion Hazards: Decomposition products may be toxic.

### SECTION - V - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to avoid): None

Hazardous Decomposition or Byproducts: Thermal degradation may produce sulfur oxides, hydrogen cyanide, carbon dioxide, and nitrogen oxides.

Hazardous Polymerization: Will not occur.

### SECTION - VI - HEALTH HAZARD DATA

ACUTE AND CHRONIC HEALTH HAZARDS / EMERGENCY AND FIRST AID PROCEDURES

Route(s) of entry: Inhalation; Ingestion

Eyes: May cause moderate irritation. If eye contact occurs, flush eyes with running water for 15 minutes.

Skin: May cause moderate irritation. Wash with soap and water if irritation occurs.

Inhalation: No appreciable dust with this product, however, if symptoms of moderate irritation to the nose, throat, or lungs occur, remove to fresh air.

Ingestion: May cause headache, nausea, and vomiting. Immediately call a physician or Poison Control Center @ (202) 625-3333 for assistance.

Signs and Symptoms of Exposure: Irritation to eyes, skin, or respiratory tract. No chronic health effects data have been established.

Other Health Warnings: Call a physician if irritation persists. Wash hands with soap and water after handling.

Notes to physician: Treat symptomatically.

**SECTION - VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Storage: Store in original container in a cool dry area. Keep out of reach of children and domestic animals. Store separately from feed, food, other fertilizers, seeds and pesticides so that cross contamination does not occur.

Procedures in case of spill or release: If material is uncontaminated, collect and reuse as recommended for product. Avoid dusts, or use NIOSH/MSHA approved respirator.

Waste Disposal Method: Apply as fertilizer if uncontaminated. If contaminated, dispose of in accordance with all Federal, State, and Local laws.

Other Precautions: Washing facilities should be available.

**SECTION - VIII - CONTROL MEASURES**

Ventilation Requirements: Provide local or general ventilation to keep dust below ACGIH nuisance dust limit of 10 mg/m<sup>3</sup>. Applicators should stand up-wind.

**PERSONAL PROTECTIVE EQUIPMENT**

Respiratory Protection: A NIOSH/MSHA approved respirator should be used if dust exposure exceeds level of 10 mg/m<sup>3</sup>.

Protective Clothing: No protection normally required. Long sleeves and impervious gloves should be worn by those with unusually sensitive skin.

Eye Protection: Use of safety glasses with side shields is recommended.

**SECTION - IX - ADDITIONAL INFORMATION**

This product is a plant food. However, large spills could possibly kill vegetation or cause illness in animals. Contamination of waterways may cause fish kill. Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills.

**SECTION - X- SARA TITLE III REQUIREMENTS**

Section 302 Extremely Hazardous Substances: No	SARA Hazard Category: None
Section 311/312 Hazardous Substances: No	Carcinogenic Compound(s) (IARC/NTP/OSHA/ACGIH): None
Section 313 Toxic Chemicals: No	

**OTHER PRECAUTIONS AND COMMENTS**

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility. Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label.

**NA = NOT APPLICABLE**

**NI = NOT INDICATED**

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Contact: Safety Manager

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