

# ELITE PhoS

## Material Safety Data Sheet

MSDS Date: January 25, 2020

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

Product Form: Mixture

Product Name: Elite PhoS

#### 1.2. Intended Use of the Product

Use of the Substance/Mixture: fertilizer (organic) or industrial use

#### 1.3. Name and Address

##### Company

Cropland Solutions Inc.

9068 51<sup>st</sup> Ave NW,  
Edmonton, Alberta  
T6E5X4

#### 1.4. Emergency Telephone Number

Emergency Number : 1-587-882-FARM (3276)  
: For Information, Chemical Emergency, Spill, Leak, Fire,  
Exposure, or Accident,

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### 2.1. Classification of the Substance or Mixture

##### GHS-US/CA Classification

HHNOC 1

Skin Irrit. 2 H315

Eye Dam. 1 H318

Carc. 1A H350

STOT RE 1 H372

Aquatic Acute 3 H402

Full text of hazard classes and H-statements : see Section 16.

##### Label Elements

##### GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA) :



Signal Word (GHS-US/CA) :

Danger

Hazard Statements (GHS-US/CA) :

Causes skin irritation.

Causes eye irritation

Precautionary Statements (GHS-US/CA) :

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust. • Wash skin thoroughly after handling. • Do not eat, drink or smoke when using this product.

Wash hands, forearms, and other exposed areas thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.

Wear protective gloves, protective clothing, and eye protection.

IF IN EYES: Rinse cautiously with water for several minutes

Naturally occurring material. No direct hazardous components are known.

Dust from product could cause eye, respiratory or gastric irritation. Wear dust masks and safety glasses/goggles when in contact and avoid ingesting.

Elite PhoS is a natural blend of minerals, used as a fertilizer material. It has ProCert organic certifications.

#### Other Hazards

None

#### 2.4. Unknown Acute Toxicity (GHS-US)

None listed nor known

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product Identifier	%	CAS No.
Chemical Family: Soft Rock Phosphate Mineral Ore. Can also be known as Soft Phosphate with clay. Chemical Family: Elemental Sulphur Organic Compost		75% 15% 10%	7704-34-9

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First-aid Measures

Follow good hygiene practices. Wash with soap and water, flush eyes if irritated.

Health Hazards (*Acute and Chronic*) No acute health hazards. Nuisance dust may require use of dust mask and safety glasses.

Carcinogenicity: None Known

NTP?

IARC Monographs?

OSHA Regulated?

#### 4.2. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

Material is Non flammable

**Suitable Extinguishing Media:** Water spray, dry chemical, foam, carbon dioxide.

#### 5.2. Special Hazards Arising from the Substance or Mixture

**Fire Hazard:** Not considered flammable

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** none.

**Other Information:** Do not allow run-off from firefighting to enter drains or water courses.

### Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures-**Handle like any natural or fertilizer material. Dispose of in accordance with local, state and federal regulations.

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** none

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures-** secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and recycle or dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping..

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with eyes, skin and clothing. Do not get in eyes, on skin, or on clothing.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Incompatible Materials:** none.

### 7.3. Specific End Use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

Use simple PPE- work clothes, gloves, eye protection for dust

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:**

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Glasses or goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** None specified, may use dust mask in off-loading or loading.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Powder, dust, granule
Appearance	: Brown to tan
Odor	: none.
Odor Threshold	: none
pH	: 6-8
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available

Flash Point	none
Auto-ignition Temperature	none
Decomposition Temperature	none
Flammability (solid, gas)	none
Vapor Pressure	none
Relative Vapor Density at 20°C	none
Relative Density	none
Specific Gravity	1.2-1.4
Solubility	low
Partition Coefficient: N-Octanol/Water	none
Viscosity	none

**9.2. Other Information** No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**Natural product, non-react, stable**

- 10.1. **Reactivity:** Hazardous reactions will not occur..
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see Section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** none
- 10.5. **Incompatible Materials:** none
- 10.6. **Hazardous Decomposition Products:** None expected under normal conditions of use.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1.

**Skin Corrosion/Irritation:** Causes skin irritation.

**pH:** 6.8

**Eye Damage/Irritation:** Causes serious eye damage.

**pH:** 6.8

**Respiratory**

**or Skin**

**Sensitization:**

Not classified

**Germ Cell****Mutagenicity:**

Not classified

**Carcinogenicity:**

May cause

cancer

(Inhalation).

**Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs (lung/respiratory system) through prolonged or repeated exposure (Inhalation).

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Respiratory tract irritation

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

**Ecology - General** : Not classified.

**Naturally occurring rock phosphate, elemental sulfur, compost)**

LC50 Fish 1	None
EC50 Daphnia 1	None
EC50 Other Aquatic Organisms 1	None
LC50 Fish 2	None
EC50 Other Aquatic Organisms 2	None

**12.2. Persistence and Degradability****Product A**

**Persistence and Degradability** : Not established.

**12.3. Bio accumulative Potential****Product A**

**Bio accumulative Potential** : Not established.

**Isopropyl alcohol (67-63-0)**

**Log Pow** : 0.05 (at 25 °C)

**12.4. Mobility in Soil** – designed for use as fertilizer

**12.5. Other Adverse Effects**

**Other Information** : None

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste Treatment Methods**

Waste Disposal Recommendations: Sweep up product for use, recycle or disposal

**Ecology - Waste Materials:** Avoid direct release to waterways.

**SECTION 14: TRANSPORT INFORMATION****14.1. In Accordance with DOT**

**Proper Shipping Name** : Elite PhoS, dry

**Hazard Class** :

**Identification Number** :  
**Label Codes** : STCC 14714-410  
**Packing Group** :  
**ERG Number** :

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

- 14.1. In Accordance with DOT** Not regulated for transport
- 14.2. In Accordance with IMDG** Not regulated for transport
- 14.3. In Accordance with IATA** Not regulated for transport
- 14.4. In Accordance with TDG** Not regulated for transport

## SECTION 15: REGULATIONS

### 15.1. Federal Regulations

<b>Rock Phosphate</b>	
Phosphate rock, dry DSL Domestic	
<b>Substance List</b>	<b>Sulphur (CAS 7704-34-9) is on the DSL</b>
<b>SARA Section 313 - Emission Reporting</b>	none

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

	First SDS January 25, 2020
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~ End of Safety Data Sheet ~

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