

# Simplot Grower Solutions SSP 0-23-25 SOP

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Simplot Grower Solutions SSP 0-23-25 SOP  
Product code : M77875

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

JR Simplot Company  
Boise, ID 83707  
T 1-208-336-2110

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Skin Irrit. 2 H315  
Eye Irrit. 2B H320  
STOT SE 3 H335

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H315 - Causes skin irritation  
H320 - Causes eye irritation  
H335 - May cause respiratory irritation

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 - Wash ... thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302 + P352 - If on skin: Wash with plenty of water/...  
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a poison center/doctor/... if you feel unwell  
P321 - Specific treatment (see ... on this label)  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to ...in accordance with local/regional/national regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name  | Product identifier  | % | Classification (GHS-US)                                       |
|---|---------------------|---|---|
| CALCIUM SULFATE HYDRATE                                     | (CAS No) 13397-24-5 |   | Eye Irrit. 2B, H320<br>STOT SE 3, H335                        |
| Sulfate of Potash 0-0-50                                    |                     |   | Not classified  |
| Simplot SSP 0-45-0 Triple Superphosphate coated with Avail® |                     |   | Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>STOT SE 3, H335 |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- 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).
- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

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### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## 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. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash ... thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Color : Mixture contains one or more component(s) which have the following colour(s): Colorless, Off-white

Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
Mixture contains one or more component(s) which have the following odour(s): characteristic, No data available on odour

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : No data available

Solubility : Mostly soluble.  
Water:

Log Pow : No data available

Log Kow : No data available

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Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Sulfate of Potash 0-0-50 |                                 |
|--------------------------|---------------------------------|
| LD50 oral rat            | 6600 mg/kg                      |
| ATE US (oral)            | 6600.00000000 mg/kg body weight |

| Simplot SSP 0-45-0 Triple Superphosphate coated with Avail® |                                 |
|---|---------------------------------|
| LD50 oral rat   | 5000 - 6000                     |
| ATE US (oral)   | 5000.00000000 mg/kg body weight |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes eye irritation.  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified  
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.  
Symptoms/injuries after inhalation : May cause respiratory irritation.  
Symptoms/injuries after skin contact : Causes skin irritation.  
Symptoms/injuries after eye contact : Causes eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

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|  |             |
|--|-------------|
| <b>Simplot SSP 0-45-0 Triple Superphosphate coated with Avail®</b> |             |
| EC50 Daphnia 1   | 1790 - 1825 |

### 12.2. Persistence and degradability

|   |                  |
|---|------------------|
| <b>Simplot Grower Solutions SSP 0-23-25 SOP</b> |                  |
| Persistence and degradability                   | Not established. |

|                                 |                  |
|---------------------------------|------------------|
| <b>Sulfate of Potash 0-0-50</b> |                  |
| Persistence and degradability   | Not established. |

|   |                  |
|---|------------------|
| <b>CALCIUM SULFATE HYDRATE (13397-24-5)</b> |                  |
| Persistence and degradability               | Not established. |

|  |                  |
|--|------------------|
| <b>Simplot SSP 0-45-0 Triple Superphosphate coated with Avail®</b> |                  |
| Persistence and degradability                                      | Not established. |

### 12.3. Bioaccumulative potential

|   |                  |
|---|------------------|
| <b>Simplot Grower Solutions SSP 0-23-25 SOP</b> |                  |
| Bioaccumulative potential                       | Not established. |

|                                 |                  |
|---------------------------------|------------------|
| <b>Sulfate of Potash 0-0-50</b> |                  |
| Bioaccumulative potential       | Not established. |

|   |                  |
|---|------------------|
| <b>CALCIUM SULFATE HYDRATE (13397-24-5)</b> |                  |
| Bioaccumulative potential                   | Not established. |

|  |                  |
|--|------------------|
| <b>Simplot SSP 0-45-0 Triple Superphosphate coated with Avail®</b> |                  |
| Bioaccumulative potential  | Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

- Effect on ozone layer : No additional information available
- Effect on the global warming : No known ecological damage caused by this product.
- Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
- Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT  
Not regulated for transport

### Additional information

- Other information : No supplementary information available.

### ADR

Transport document description :

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory except for:

|                          |        |  |
|--------------------------|--------|--|
| Sulfate of Potash 0-0-50 | CAS No |  |
|--------------------------|--------|--|

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|   |                   |  |
|---|-------------------|--|
| Calcium Sulfate Hemihydrate                                 | CAS No 13397-24-5 |  |
| Simplot SSP 0-45-0 Triple Superphosphate coated with Avail® | CAS No            |  |

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### Sulfate of Potash 0-0-50

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### CALCIUM SULFATE HYDRATE (13397-24-5)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

## 15.2. International regulations

### CANADA

No additional information available

### EU-Regulations

No additional information available

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

### 15.2.2. National regulations

No additional information available

## 15.3. US State regulations

### CALCIUM SULFATE HYDRATE (13397-24-5)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Other information :  
: None.

Full text of H-phrases: see section 16:

|               |   |
|---------------|---|
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B               |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2                        |
| STOT SE 3     | Specific target organ toxicity (single exposure) Category 3 |
| H315          | Causes skin irritation                                      |
| H320          | Causes eye irritation                                       |
| H335          | May cause respiratory irritation                            |

SDS US (GHS HazCom 2012)

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