

# SIMPLOT TURF & HORTICULTURE 0-0-0 MIX 3 CUSTOM BLEND FOR USFS

## Safety Data Sheet

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

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : SIMPLOT TURF & HORTICULTURE 0-0-0 MIX 3 CUSTOM BLEND FOR USFS  
Product code : M80429

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Fertilizer

#### 1.3. Supplier

Simplot AB Retail, Inc., DBA Simplot Turf and Horticulture  
P.O. Box 9296  
Boise, ID 83707

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Skin corrosion/irritation, Category 2 H315 Causes skin irritation.  
Serious eye damage/eye irritation, Category 2 H319 Causes serious eye irritation.

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.

Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - If on skin: Wash with plenty of water/...  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P332+P313 - If skin irritation occurs: Get medical attention  
P337+P313 - If eye irritation persists: Get medical attention  
P362+P364 - Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards which do not result in classification

No additional information available

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

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

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| Name            | Product identifier  | %     | GHS-US classification  |
|-----------------|---------------------|-------|--|
| sulfur          | (CAS-No.) 7704-34-9 | 67-70 | Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320                             |
| boron           | (CAS-No.) 7440-42-8 | 11-13 | Acute Tox. 4 (Oral), H302  |
| copper sulphate | (CAS-No.) 7758-98-7 | 6-8   | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |

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

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Irritation.
- Symptoms/effects after eye contact : Eye irritation.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam.

#### 5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

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

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

- Methods for cleaning up : Mechanically recover the product.
- Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

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Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.  
Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| SIMPLOT TURF & HORTICULTURE 0-0-0 MIX 3 CUSTOM BLEND FOR USFS |                     |
|---|---------------------|
| No additional information available                           |                     |
| <b>sulfur (7704-34-9)</b>                                     |                     |
| <b>USA - ACGIH - Occupational Exposure Limits</b>             |                     |
| ACGIH TWA (mg/m <sup>3</sup> )                                | 3 mg/m <sup>3</sup> |
| <b>boron (7440-42-8)</b>                                      |                     |
| No additional information available                           |                     |
| <b>copper sulphate (7758-98-7)</b>                            |                     |
| No additional information available                           |                     |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

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

Physical state : Solid  
Colour : Mixture contains one or more component(s) which have the following colour(s):  
Pure substance: light yellow Unpurified: yellow to brown Off-white to light grey Yellow to red-brown  
Odour : 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:  
Pure substance is odourless Commercial/unpurified substance: Unpleasant odour Odourless  
Odour threshold : No data available  
pH : No data available

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|   |                     |
|---|---------------------|
| Melting point                                   | : No data available |
| Freezing point                                  | : Not applicable    |
| Boiling point                                   | : No data available |
| Flash point                                     | : Not applicable    |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Flammability (solid, gas)                       | : Non flammable.    |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20 °C                | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : Not applicable    |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosive limits                                | : Not applicable    |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| sulfur (7704-34-9)         |                       |
|----------------------------|-----------------------|
| LD50 oral rat              | > 5000 mg/kg (Rat)    |
| LD50 dermal rabbit         | > 2000 mg/kg (Rabbit) |
| LC50 inhalation rat (mg/l) | > 9.23 mg/l/4h (Rat)  |

  

| boron (7440-42-8) |                            |
|-------------------|----------------------------|
| LD50 oral rat     | 650 mg/kg bodyweight (Rat) |

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation         | : Causes skin irritation.        |
| Serious eye damage/irritation     | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : Not classified                 |

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|                                     |                     |
|-------------------------------------|---------------------|
| Germ cell mutagenicity              | : Not classified    |
| Carcinogenicity                     | : Not classified    |
| Reproductive toxicity               | : Not classified    |
| STOT-single exposure                | : Not classified    |
| STOT-repeated exposure              | : Not classified    |
| Aspiration hazard                   | : Not classified    |
| Viscosity, kinematic                | : No data available |
| Symptoms/effects after skin contact | : Irritation.       |
| Symptoms/effects after eye contact  | : Eye irritation.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| <b>sulfur (7704-34-9)</b>                 |  |
|---|--|
| LC50 fish 1                               | 866 mg/l (96 h; Brachydanio rerio)                     |
| LC50 fish 2                               | > 100 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) |
| TLM fish 1                                | 10000 ppm (96 h; Gambusia affinis)                     |
| Threshold limit other aquatic organisms 1 | > 10000 mg/l (24 h; Daphnia magna)                     |
| <b>boron (7440-42-8)</b>                  |  |
| EC50 Daphnia 1                            | > 1 mg/l (EC0; Other; 48 h; Daphnia magna)             |

### 12.2. Persistence and degradability

| <b>sulfur (7704-34-9)</b>       |   |
|---------------------------------|---|
| Persistence and degradability   | Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil. Not established. |
| Biochemical oxygen demand (BOD) | Not applicable  |
| Chemical oxygen demand (COD)    | Not applicable  |
| ThOD                            | Not applicable  |
| BOD (% of ThOD)                 | Not applicable  |
| <b>boron (7440-42-8)</b>        |   |
| Persistence and degradability   | Biodegradability: not applicable. Biodegradability in soil: not applicable.   |
| Biochemical oxygen demand (BOD) | Not applicable  |
| Chemical oxygen demand (COD)    | Not applicable  |
| ThOD                            | Not applicable  |

### 12.3. Bioaccumulative potential

| <b>sulfur (7704-34-9)</b>                       |   |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.23 (Estimated value)  |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4). Not established. |
| <b>boron (7440-42-8)</b>                        |   |
| Bioaccumulative potential                       | No bioaccumulation data available.                                |

### 12.4. Mobility in soil

| <b>sulfur (7704-34-9)</b> |                    |
|---------------------------|--------------------|
| Ecology - soil            | Not toxic to bees. |

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### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### SIMPLOT TURF & HORTICULTURE 0-0-0 MIX 3 CUSTOM BLEND FOR USFS

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|                                    |                   |      |
|------------------------------------|-------------------|------|
| copper sulphate                    | CAS-No. 7758-98-7 | 6-8% |
| <b>copper sulphate (7758-98-7)</b> |                   |      |
| CERCLA RQ                          | 10 lb             |      |

### 15.2. International regulations

#### CANADA

##### sulfur (7704-34-9)

Listed on the Canadian DSL (Domestic Substances List)

##### boron (7440-42-8)

Listed on the Canadian DSL (Domestic Substances List)

##### copper sulphate (7758-98-7)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

| Component         | State or local regulations  |
|-------------------|---|
| sulfur(7704-34-9) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

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| Component                  | State or local regulations  |
|----------------------------|---|
| boron(7440-42-8)           | U.S. - New Jersey - Right to Know Hazardous Substance List  |
| copper sulphate(7758-98-7) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

### SECTION 16: Other information

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Full text of H-statements:

|      |                                |
|------|--------------------------------|
| H302 | Harmful if swallowed.          |
| H315 | Causes skin irritation.        |
| H319 | Causes serious eye irritation. |
| H320 | Causes eye irritation          |

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*