

# Simplot Turf and Horticulture 5-6-0 Biosolids

## Safety Data Sheet

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

Date of issue: 02/09/2022 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Simplot Turf and Horticulture 5-6-0 Biosolids  
Product code : M80452

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

#### 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

Not classified

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

##### GHS US labelling

No labelling applicable

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

Emergency Overview: Fine dust dispersion in air may form an explosive mixture.  
Eye Contact: If product comes in direct contact with the eyes, it may cause minor physical irritation.  
Skin Contact: No hazard from normal use of this product.  
Inhalation: Breathing of airborne dust may cause symptoms such as coughing, sneezing or minor respiratory irritation.  
Ingestion: Acute gastritis may occur if ingested in large quantities

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

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Weight %	CAS No.
Anaerobically digested, heat-processed wastewater solids	90 – 96	NA
Water	4 – 10	7732-18-5

Trace metals and volatile organics can be detected in quantities less than 1.0%, and in most cases less than 0.1%. These constituents are present at low concentrations, which enable this product to meet the US EPA 40 CFR Part 503 Class A Exceptional Quality biosolids requirements. PFAS levels N/D (non detect) in screening of known PFAS compounds.  
OSHA Nuisance Dust Limits of 15 mg/m<sup>3</sup> (total) and 5 mg/m<sup>3</sup> (respirable) and ACGIH Nuisance Dust Limits of 10 mg/m<sup>3</sup> (total) and 3 mg/m<sup>3</sup> (respirable) may apply to this product.

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general : IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice / attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

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| First-aid measures after skin contact | : Wash skin with plenty of water.                      |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.               |
| 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)

### 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, carbon dioxide |
| Flash Point                  | NA                                              |
| Ignitability                 | Not ignitable                                   |
| NFPA/HIMS Rating:            | Health: 1 Fire: 1 Reactivity: 0                 |

### 5.2. Specific hazards arising from the chemical

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

Unusual Fire and Explosion Hazards	Fine dust dispersed in the air may form an explosive atmosphere. When stored in bulk, wetted material may generate heat and spontaneously combust. Upon combustion, this type of material can give off undefined fumes.
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Special Fire Fighting Procedures	Do not breathe fumes. Firefighters should wear normal fire protection gear. If bulk stored material should catch on fire, spread out material to help dissipate heat. Prevent runoff from entering drains, sewer or any body of water. Guard against falls, as material becomes slippery when wet.
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### 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.<br>In case of a spill, sweep, vacuum or shovel the material into a labeled container. Reuse material if possible. Dispose the unused material in accordance with local, state, and federal regulations. |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 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. Wear personal protective equipment. Avoid breathing dry dust. Wash hands after handling. |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

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Hygiene measures : 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 cool, dry place. Keep out of the reach of children. Do not allow stored material to become wet. Bulk material that becomes wet may generate heat and spontaneously combust.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ventilation Requirements: Use product in a well ventilated area. Material will generate nuisance odors associated with thermally processed biosolids.

Eye Protection: Wear safety glasses with side shields or eye goggles when handling material.

Respiratory Protection: Use NIOSH/MSHA approved dust respirator if material is used in an unventilated area, or if dust concentration is excessively high. Self-contained breathing apparatus (SCBA) should be used by emergency responders to avoid breathing dust and fumes during a fire situation.

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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  
Appearance : Dark granule pellets.  
Colour : Mixture contains one or more component(s) which have the following colour(s):  
Colourless  
Odour : musty earthy  
Odour threshold : No data available  
pH : 6.8 – 7.2  
Melting point : No data available  
Freezing point : Not applicable

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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	: Water: slight
Specific Gravity	0.695
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.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Excessive heat. Sparks. Open flame. Moisture. Water, humidity.

### 10.5. Incompatible materials

Strong acids. Alkalis. Oxidizing agent.

### 10.6. Hazardous decomposition products

Toxic smoke may be generated as typical of organic material combustion.

## 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
Skin corrosion/irritation	: Not classified
	pH: 6.8 – 7.2
Serious eye damage/irritation	: Not classified
	pH: 6.8 – 7.2
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

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STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential PFAS:	: Non Detect, 32
	: PFAS Classes

### 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.
Ecology - water	: Keep out of any body of water

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 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. Sweep, vacuum or shovel material into labeled container. Material is a biofuel/soil amendment, so reuse if possible. Keep out of any body of water. Dispose the unused material in accordance with local, state, and federal regulations. Bulk wetted material may generate heat and spontaneously combust when stored.
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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated

Proper Shipping Name: Not regulated

DOT Identification Number: NA

Hazard Class: NA

SEC 302/304/313: Not listed

CERCLA/CAA/TSCA: Not listed

#### Transportation of Dangerous Goods

Not regulated

#### Transport by sea

Not regulated

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### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

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SARA Information:            Immediate (Acute) Health \_No\_            Delayed (Chronic) Health \_No\_  
Fire Risk \_Yes\_            Sudden Release of Pressure \_No\_            Reactivity \_No\_

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

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

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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.*