

SAFETY DATA SHEET

Section 1: Identification

1.1 Product identifier:

Mother Earth® Root Down™ Plant Starter Mix 3-6-3

Other means of Identification: Formulation no. S22105

1.2 Recommended use:

Identified uses: Fertilizer on household plants, urban gardens or in nurseries or greenhouses.

Restrictions on use:

Read the label before using.

Keep out of reach of children.

1.3 Manufacturer:

Hawthorne Hydroponics
 3204 NW 38th Circle,
 Vancouver, Washington
 98660

1.4 Emergency telephone number (24-hours):

CHEMTREC in U.S.A.: 1-800-424-9300

International: 1-703-527-3887

Section 2: Hazard Identification

2.1 Classification:

Not classified under any hazard class according to US Hazard Communication Standard (HCS 2012).

2.2 Label elements:

Not applicable, not classified in any hazard class.

2.3 Other hazards:

Particulates may cause eye irritation by mechanical abrasion.

Section 3: Composition/Information on Ingredients

<u>Chemical name</u>	<u>CAS No.</u>	<u>Wt. %</u>
Contains no hazardous ingredients by OSHA HCS 2012 criteria.		

Section 4: First-Aid Measures

4.1 Description of first-aid measures:

Inhalation: If symptoms develop move victim to fresh air and keep comfortable for breathing.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical attention.

Skin Contact: Rinse skin with plenty of water. If irritation persists, get medical attention.

Ingestion: If swallowed, call a POISON CENTER or doctor for treatment advice.

4.2 Most important symptoms and effects, acute and delayed:

Inhalation: Breathing high concentrations of dust may cause coughing and sneezing.

Eye Contact: Dust is probably irritating as a foreign object in the eye. Some tearing, blinking and mild, temporary pain may occur as the solid material is rinsed from the eye by tears.

Skin Contact: Prolonged contact may cause mild, temporary irritation.

Ingestion: Not acutely toxic if swallowed. Swallowing large quantities may cause irritation to the mouth, throat and gastrointestinal tract.

SAFETY DATA SHEET

4.3 Indication of any immediate medical attention and special treatment needed:

Not available

4.4 Medical Conditions Aggravated by Exposure:

Not available

Section 5: Fire-fighting Measures

5.1 Extinguishing media:

Use extinguishing media appropriate for the surrounding fire. Water spray, appropriate foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the chemical:

Not flammable or combustible.

Combustion may generate irritating fumes containing ammonia and/or nitrogen oxides.

5.3 Special protective equipment and precautions for firefighters:

Firefighters should wear full protective gear including self-contained breathing apparatus when fighting chemical fires.

Any water runoff should be minimized and contained.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Stop the release if you can do it without risk.

Wear appropriate gloves and eye protection.

6.2 Environmental precautions:

Prevent large releases from going into drains, sewers and other waterways.

6.3 Methods and material for containment and cleaning up:

Use broom or dry vacuum to collect material for re-use or proper disposal.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Read the label before using.

Keep away from children and domestic animals.

Avoid contact with eyes.

Avoid breathing dust.

Wash hands after handling.

7.2 Conditions for safe storage:

Keep out of reach of children.

Store in the original container in a dry, cool, dark location away from extreme heat or freezing conditions.

Store unused portions in an airtight container; keep water and moisture out.

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters:

<u>Ingredient</u>	<u>ACGIH® TLV®</u>	<u>Other Exposure Limits</u>
Particles Not Otherwise Regulated/Specified	3 mg/m ³ (respirable) 10 mg/m ³ (inhalable)	OSHA PNOR: 5 mg/m ³ (respirable fraction) 15 (total dust)

8.2 Exposure controls:

Engineering controls: Not normally required if product is used as directed.

SAFETY DATA SHEET

8.3 Individual protection measures:

Eye/Face protection: Wear safety glasses with side-shields or chemical splash goggles if contact with the eyes is possible.

Skin protection: Wear protective gloves; gardening gloves or water-proof protective gloves, as appropriate.

Respiratory protection: In workplaces where airborne dust concentrations cause respiratory tract irritation or eye irritation is experienced, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. wear an approved dust respirator).

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	Solid. Powder.
Odor:	Not available
Odor threshold:	Not available
pH:	6 - 7 (slurry in water)
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable, Not flammable.
Flammability (solid, gas):	Not applicable
Auto-ignition temperature:	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Evaporation rate:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	45.4 lbs/ft ³ (bulk density)
Solubility (ies):	Not available
Partition coefficient (n-octanol/water):	Not available
Decomposition temperature:	Not available
Viscosity:	Not applicable

Section 10: Stability and Reactivity

10.1 Reactivity:

Not reactive.

10.2 Chemical stability:

Stable.

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Avoid heating to decomposition.

10.5 Incompatible materials:

Strong oxidizing agents.

10.6 Hazardous decomposition products:

Thermal decomposition may release irritating ammonia gas.

SAFETY DATA SHEET

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Likely routes of exposure

Ingestion; Skin contact; Eye contact.

Acute toxicity

Inhalation: Not available

Ingestion: Data not available.

Skin: Not available

11.2 Toxicity data:

Acute toxicity data: acute oral, dermal and inhalation toxicity data are not available.

Skin corrosion / irritation

Data not available.

Serious eye damage / irritation

Solid particles expected to be irritating to the eye as a foreign object.

STOT (Specific Target Organ Toxicity) – Single exposure

Data not available. Airborne dusts may be irritating to the respiratory system as a nuisance dust.

STOT (Specific Target Organ Toxicity) – Repeated exposure

Data not available.

Aspiration hazard

Does not meet criteria for classification for aspiration toxicity.

Sensitization - respiratory and/or skin

Data not available.

Carcinogenicity

This mixture does not contain any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists), OSHA (Occupational Safety and Health Administration) or NTP (National Toxicology Program).

Reproductive toxicity

Data not available

Germ cell mutagenicity

Not known to be mutagenic.

Interactive effects

Data not available

Section 12: Ecological Information

12.1 Toxicity:

Prevent release of this product into natural waterways.

12.2 Persistence and degradability:

Inherently bio-degradable.

12.3 Bioaccumulative potential:

Not applicable

12.4 Mobility in soil:

Data not available

SAFETY DATA SHEET

Section 13: Disposal Considerations

13.1 Disposal methods:

Discard the empty container in household garbage or recycle.
If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with municipal or provincial regulations where they apply.
Contact local authorities for disposal of large quantities of product.

Section 14: Transport Information

14.1 Canada Transportation of Dangerous Goods (TDG) Regulations:

Not regulated

14.2 U.S. Hazardous Materials Regulation (DOT 49CFR):

Not regulated

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Canada

NSNR status: All ingredients are listed on the DSL or are not required to be listed.

WHMIS 2015 classification: Not classified in any WHMIS hazard class.

USA

TSCA status: All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Section 16: Other Information

Revision date:

June 14, 2019

References and sources for data:

CCOHS Cheminfo
HSDB® – Hazardous Substances Data Bank®
NIOSH Pocket Guide
CNESST – Commission des normes, de l'équité de la santé et de la sécurité du travail

Legend to abbreviations:

ACGIH® – American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
TWA – Time weighted average
TLV® - Threshold Limit Value
VEMP – Valeur d'exposition moyenne pondérée
WHMIS – Workplace Hazardous Materials Information System.

Additional information:

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