SAFETY DATA SHEET ACCORDING TO OSHA-GHS (29 CFR PART 1910.1200 HCS 2012)
PRODUCT NAME DR. EARTH FINAL STOP VEGETABLE GARDEN INSECT KILLER
PRODUCT CODE 8005
DATE OF ISSUE AUGUST 2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier Dr. Earth Final Stop Vegetable Garden Insect Killer

Recommended uses:

Kills and controls unwanted insects

Restrictions on uses:

None

Manufacturer

Dr. Earth, Inc.
PO Box 460
Winters, CA 95694

Company Telephone/Fax (707) 448-4676 / (707) 448-4760

Emergency Telephone Number (707) 448-4676

2. HAZARDS IDENTIFICATION

Classification of the mixture

Classification of the chemical in accordance with 29CFR §1910.1200

Not classified as hazardous.

Label elements	None applicable
Hazard pictograms	None applicable
Signal word	None applicable
Hazard Statements	None applicable
Precautionary Statements	None applicable

Other hazards

None

Classification of the relevant ingredients of the mixture in accordance with 29CFR §1910.1200

Does not contain any hazardous ingredient

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a mixture/preparation

Substance name	CAS No	EC No

No substance meeting the classification criteria for health is present over its cut-off value in accordance with OSHA, 29CFR §1910.1200/2012.

Contains some or all of the following: ROSEMARY OIL, SESAME OIL, PEPPERMINT OIL, THYME OIL, CINNAMON OIL, GARLIC OIL, BEESWAX, CARRAGEENAN, CELLULOSE, CITRIC ACID, GLYCERIN, LECITHIN, WATER.

4. FIRST AID MEASURES

Description of first aid measures

General information

In case of persisting adverse effects consult a physician.

Never give anything by mouth to an unconscious person or a person with cramps.

In case of inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention for any breathing difficulty.

In case of skin contact

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

In case of 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 advice/attention

In case of ingestion

Rinse mouth and drink plenty of water. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

The following symptoms may occur:

In case of inhalation	Irritation to respiratory tract	
In case of skin contact	May cause redness or irritation	
In case of eye contact	May cause redness or irritation	
In case of ingestion	Ingestion of large amounts may cause:	gastrointestinal disturbances

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:	Use any suitable mean for extinguishing surrounding fire.
Unsuitable material:	None, but attention should be paid to compatibility with chemicals surrounding.

Specific hazards arising from the chemical

None applicable

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and a chemical protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Provide adequate ventilation. Wear personal protection equipment (Section 8).

Environmental precautions

None applicable

Methods and material for containment and cleaning up

None specified

Unsuitable material for containment/taking up: None specified

Other information

None

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid generation of dust. Provide adequate ventilation. Wear personal protective equipment, when required. Wash hands thoroughly after handling. Do no eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Keep/store only in original container. Store in a well-ventilated place. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Occupational exposure limits

No specific occupational exposure limit for substances in the mixture.

OSHA	PEL	Not Established
	STEL/ceiling	Not Established
ACGIH (2012 TLVs® and BEIs®)		
	TWA	Not Established
	STEL/ceiling	Not Established

Engineering controls

Use exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protective Equipment

Eye/face protection	Chemical goggles, recommended.
Skin Protection	Nitrile rubber gloves, recommended.
Respiratory Protection	Wear respiratory protection, where airborne concentrations are expected to exceed exposure limits

General Hygiene Considerations

Avoid contact with eyes and skin. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Colour	Hazy white
Odour	Rosemary
Odour Threshold	Not applicable
pH value	Not applicable
Melting point / freezing range	Not applicable
Boiling temperature / boiling range	Not applicable
Flash point	Not applicable
Vapourisation rate / Evaporation rate	Not applicable
Flammable solids	Not applicable
Explosion limits (LEL, UEL)	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative Density	Not applicable
Solubility	Not applicable
Partition coefficient n-octanol /water	Not applicable
Auto Ignition temperature (AIT)	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not Applicable
Explosive properties	Not Applicable
Oxidizing properties	Not Applicable

Other information

None

10. STABILITY AND REACTIVITY

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stable under normal storage and temperature conditions.

Possibility of hazardous reactions

None identified

Conditions to avoid

None identified

Incompatible materials

None identified

Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

The following information mostly refers to the major component of the product.

Likely routes of exposure (inhalation, ingestion, skin and eye contact)

Eye contact, skin contact and inhalation. Exposure by ingestion is not expected to occur through normal industrial or agricultural use.

Symptoms related to the physical, chemical and toxicological characteristics

May be irritant to the respiratory tract. May cause redness or irritation to the skin and eyes. Ingestion of large amounts may cause gastrointestinal disturbances.

Information on toxicological effects from short and long term exposure

Acute toxicity

There is no data for the mixture itself.

Acute oral toxicity

Acute Toxicity Estimate for the mixture

Assessment / classification:

Irritant and corrosive effects

There is no data for the mixture itself.

Irritation to the skin

The product does not contain relevant ingredients classified as corrosive or irritant to the skin in accordance with OSHA, 29 CFR 1910.1200.

Irritation to eyes

The product does not contain relevant ingredients classified as serious eye damage / eye irritant in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

There is no data for the mixture itself. The product does not contain ingredients classified as a respiratory or skin sensitizer present at or above their cut-off value in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met.

Genetic effects

The product does not contain ingredients classified as germ cell mutagens present at or above their cut-off value in accordance with OSHA, 29 CFR 1910.1200..

Assessment / classification: Based on available data, the classification criteria are not met.

Reproductive toxicity

The product does not contain ingredients classified as a category 1 or category 2 reproductive toxicant or for effects on or via lactation present at or above their cut-off value in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

There is no data for the mixture itself.

The product does not contain relevant ingredients classified as Target Organ Toxicant in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

There is no data for the mixture itself.

The product does not contain relevant ingredients classified as Target Organ Toxicant in accordance with OSHA, 29 CFR 1910.1200.

Assessment / classification: Based on available data, the classification criteria are not met

Aspiration hazard

Physicochemical data and toxicological information does not indicate an aspiration hazard.

Assessment / classification: Based on available data, the classification criteria are not met

Carcinogenicity

International Agency for Research on Cancer (IARC)	No component of this product present at levels ≥0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
National Toxicology Program (NTP)	No component of this product present at levels ≥0.1% is identified as known or anticipated carcinogen by NTP.
29 CFR part 1910, subpart Z	No component of this product present at levels ≥0.1% is identified as carcinogen or potencial carcinogen by OSHA.
California Proposition 65	No component of this product present at levels ≥0.1% is identified as carcinogen by California Prop.65.
Assessment / classification:	Based on available data, the classification criteria is not met

Other Toxicological Information

None

12. ECOLOGICAL INFORMATION

There is no data for the mixture itself. The following information mostly refers to the major component of the product.

Ecotoxicity

Aquatic Toxicity

There is no data for the mixture itself.

The product does not contain ingredients classified as marine pollutant as defined in DOT, 49 CFR 171.8.

Assessment / classification Based on available data, the classification criteria are not met

Persistence and degradability

The product contains mainly inorganic sulfate and phosphate salts. In aqueous solutions, these salts dissociate into their respective ions. Phosphate ions are finally incorporated into the Phosphorus cycle. In anaerobic conditions, bacteria oxidizes ammonium to nitrite which is further oxidized into nitrate.

Bioaccumulative potential

Low potential for bioaccumulation based on physicochemical properties of main components.

Mobility in soil

The components of this mixture have a low potential for adsorption. Portion not taken up by plants, can leach to groundwater.

Other adverse effects

Excess phosphate leaching may enrich waters leading to eutrophication.

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable federal and state laws.

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

This product is not listed as dangerous waste in the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

14. TRANSPORTATION INFORMATION

US DOT (49CFR part 172)

UN-No.	Non dangerous good
UN Proper Shipping Name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Hazard label(s)	Not applicable
Special marking	No
Special Provision	No

International Maritime Organization (IMDG Code)

UN-No.	Non dangerous good
UN Proper Shipping Name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Marine pollutant	No
Hazard label(s)	Not applicable
Special marking	No

International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA)

UN-No.	Non dangerous good
UN Proper Shipping Name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Hazard label	Not applicable
Special marking	No

Special handling procedure

None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Other special precautions

None

15. REGULATORY INFORMATION

US Federal

SARA Title III Rules

Section 311/312 Hazard Classes

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Release of Pressure	No
Reactive Hazard	No

Section 313 Toxic Chemicals

None ingredient is listed.

Section 302 Extremely Hazardous Substances (EHS)/CERCLA Hazardous Substances

None ingredient is listed.

NFPA 704/2012: National Fire Protection Association

Health	0
Fire	0
Reactivity	0
Special	None

US State Regulations

California Proposition 65	None ingredient is listed.

Chemical Inventories

United States TSCA	All ingredients are listed
Canada DSL	All ingredients are listed

16. OTHER INFORMATION

This SDS complies with 29 CFR part 1910 subpart Z (2012) and ANSI Standard Z400.1-2004

Prepared by Dr. Earth, Inc.
E-mail info@drearth.com

Preparation date AUGUST 17, 2016

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall SQM be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if SQM has been advised of the possibility of such damages.

Indication of changes

All sections were reviewed and modified to comply with 29CFR part 1910 subpart Z (2012).