

# SAFETY DATA SHEET

Issue Date: 10-30-2017

v.1

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

Blue Earth Products

14580 W 99<sup>th</sup> St.

Lenexa, KS 66215

Company & Emergency Phone Number: (702) 851-4760

Product Name: **HypoGrow™**

## Section 2: HAZARDS IDENTIFICATION

Appearance/Odor: Clear liquid with slight chlorine odor.

This material is considered NOT hazardous to health by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EYE – Contact of eye tissues with liquid may cause slight irritation  
INHALATION – Inhalation of high vapor concentrations may cause shortness of breath, irritation of mucous membranes.

INGESTION – Ingestion of this material may cause gastrointestinal irritation.

Potential of low concentrations of chlorine gas if mixed with acids or other low pH solutions.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	% by Wt.
Hypochlorous Acid	7790-92-3	0.05%

## Section 4: FIRST AID MEASURES

Eye Contact: Flush with water.

Skin Contact: Rinse with water.

Inhalation: Move to fresh air.

Ingestion: Drink water.

## Section 5: FIRE FIGHTING MEASURES

Product is non-flammable.

## Section 6: ACCIDENTAL RELEASE MEASURES

Treat as non-hazardous. No personal or environmental precautions needed in case of accidental release.

Remove to drain or allow to evaporate in place.

## Section 7: HANDLING AND STORAGE

Keep out of Sunlight. Keep refrigerated for longest life.

## Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Treat as non-hazardous. No exposure or engineering controls needed.

Eye, face, skin or respiratory protection is NOT required.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color: Colorless

Odor: Slight Chlorine

Odor Threshold: Not Available

Physical State: Liquid

pH: 9.7

Freezing Point:  $\approx 25^\circ\text{F}$

Boiling Point:  $\approx 212^\circ\text{F}$

Flash Point: Not Applicable

Evaporation Rate: 40g/m<sup>2</sup>/hr @ 68° F (20° C)

Flammability (solid, gas): Not Flammable

Upper Flammability Limit: Not applicable

Lower Flammability Limit: Not applicable

Vapor Pressure: 17.54 mmHg @ 68° F (20° C)

Vapor Density: 17.3 gm/m<sup>3</sup> @ 68° F (20° C)

Specific Gravity: 1.0 @ 68° F (20° C)

Solubility (water): 100%

Partition Coefficient (n-octanol/water): No Data Available

Auto-Ignition Temperature: Not Applicable

Percent Volatile, wt. %: 99.9%

Volatile Organic Compound (VOC) content, wt. %: 0%

## Section 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid and Incompatible Materials: Acids or other low pH solutions.

Hazardous Decomposition Products: Low concentrations of Hydrochloric acid.

Possibility of Hazardous Reactions: Reaction with acids or low pH solutions may create low concentrations of chlorine gas.

## Section 11: TOXICOLOGY INFORMATION

### ACUTE EFFECTS

Oral LD<sub>50</sub>: > 5,000 mg/kg (rats)

Inhalation: Not Available

Eye Irritation: Non-irritating (rabbits)

Skin Irritation: Non-irritating (rabbits)

Sensitization: Not Available

### CHRONIC EFFECTS

Carcinogenicity: Found to be non-carcinogenic in accordance with OSHA, NTP, and IARC standards.

Mutagenicity, Reproductive Effects, Developmental Effects: No data

## Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence/ Degradability, Bioaccumulation/ Accumulation: No data

Mobility in Environment: Free flowing liquid, similar to water.

## Section 13: DISPOSAL CONSIDERATIONS

Dispose of as non-hazardous waste. Remove to drain or allow to evaporate in place.

Dispose of in accordance with existing Federal, State and Local environmental regulations.

## Section 14: TRANSPORTATION INFORMATION

US DOT: Title 49 Section 172, this product is NON – LISTED.

It is not considered hazardous to health.

ICAO, IMDG, TDG: See US DOT

## Section 15: REGULATORY INFORMATION

This product is considered not hazardous to health by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

## Section 16: OTHER INFORMATION

HAZARD RATING: Health – 0, Fire – 0, Reactivity - 0

0 – Minimum, 1 – Slight, 2 – Significant, 3 – Serious, 4 – Extreme

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his own particular use. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Blue Earth Products LLC.