

SAFETY DATA SHEET

Issue Date: 10-30-2017

v.1

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Blue Earth Products

14580 W 99th 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: $\approx 25^{\circ}$ F

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

Flash Point: Not Applicable

Evaporation Rate: 40g/m²/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/m³ @ 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 LD₅₀: > 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

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