

MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According To 29 CFR 1910.1200)

Effective Date 3/91

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: **Green Earth Foaming Tile Cleaner** Chemical Family: **N/A**
 Generic Name: **Hard Tile Cleaner** Formula: **N/A**
 Supplier's Name: **Green Earth Systems** Phone Number: **419-241-2156**
 Supplier's Address: **Toledo, Ohio**
 Shipping Name: **Compound, Cleaning, Liquid Corrosive Material - NA1760**

HPCA Hazardous Materials Identification System

Health	2
Flammability	0
Reactivity	0
Maximum Personal Protection	B

SECTION 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Water	7732-18-5	to 100				No
Hydrochloric Acid	77-92-9	5 to 10				No
Phosphoric Acid	7664-38-2	0 to 5	1mg/M ³	1mg/M ³	3mg/M ³	No
Sulfonic Acid	27176-87-0	0 to 5				No
Anionic Surfactant	26027-38-3	0 to 5				No
Amphoteric Surfactant	68298-20-4	0 to 5				No
Surfactant	N/A	0 to 5				No

This product contains the following toxic chemicals subject to the reporting requirements of section 303 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
7664-38-2	Phosphoric Acid	4.5

SECTION 3 - PHYSICAL DATA

Boiling Range (°F): **214°F initial** Specific Gravity: **1.07**
 Vapor Pressure: **20mm Hg @68°F** Vapor Density: **(Air=1): >1**
 Volatile: **75+** pH: **1.5 - 2.0**
 Solubility in Water: **100%** Evaporation Rate: **(Water=1): <1**
 Physical Description: **Thin red liquid with characteristic odor.**

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): **N/A**
 Upper Explosive Limit: **N/A** Lower Explosive Limit: **N/A**
 Extinguishing Media: **N/A**
 Special Fire Fighting Procedures: **N/A**
 Unusual Fire and Explosion Hazards: **N/A**

SECTION 5 - REACTIVITY DATA

Stability: **Stable** Hazardous Polymerization: **Will not occur**
 Compatibility (Materials to Avoid): **Strong alkalis or oxidizers.**
 Hazardous Decomposition Products: **Phosphorous or sulfur oxides in a fire.**

SECTION 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:
 Keep out of reach of children. For use by trained personnel only.
 Keep container closed during storage. For institutional and industrial use only.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
 Primary Route of Entry:
 Skin: **Skin irritant. Prolonged or repeated contact may cause dermatitis.**
 Eyes: **Severe eye irritant. Liquid and mists may injure the eyes.**
 Inhalation: **May be irritating to mucous membranes of the nose, throat, and lungs.**
 Ingestion: **May be irritating to the mouth and throat. Large doses can cause nausea and vomiting.**

First Aid Procedures:
 Skin: **Remove contaminated clothing. Flush exposed area with large quantities of water. Seek medical attention if irritation persists.**
 Eyes: **Flush eyes with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.**
 Inhalation: **Get to fresh air. Seek medical attention if symptoms persist.**
 Ingestion: **Do not induce vomiting. Give large quantities of water or milk. Get medical attention.**

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: **Use with adequate ventilation.** Ventilation: **Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.**
 Protective Gloves: **Acid proof.** Eye Protection: **Safety glasses.**
 Other Protective Equipment: **N/A**

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken In Case Material Is Released or Spilled:

Waste Disposal Method:

Do not pour or otherwise absorb and hold for disposal

Any method in accordance with applicable laws

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