



Safety Data Sheet

GeeWow Heavy Duty Concrete Cleaner

1. Identification

Product Name: GeeWow Heavy Duty Concrete Cleaner**Item #:** MA0626001GLOB05-2**Web SDS:****Synonyms:** N/A**Recommended Use:** Laboratory Reagent**Restrictions on Use:** Any use other than recommended**Manufacturer:**BBC Biochemical
409 Eleanor Lane,
Mount Vernon, WA 98273
1-800-635-4477**In Case of Emergency:**Chemtrec US 1-800-424-9300
Chemtrec International 703-527-3887

2. Hazards Identification

OSHA Hazard Classification(s):Acute Toxicity - Oral - Category 3
Acute Toxicity - Inhalation - Category 3
Skin Corrosion - Category 1A
Eye Damage - Category 1
Specific Target Organ Toxicity (single exposure) - Category 2
Corrosive to Metals - Category 1**Signal Word:** Danger**Hazard Statement(s):** Toxic if swallowed. Toxic if inhaled. Causes severe skin burns and eye damage. Causes serious eye damage. May cause damage to organs (respiratory system) by inhalation. May be corrosive to metals.**Pictogram(s):****Precautionary Statement(s):** Prevention: Wash body thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust, vapors. Use only outdoors or in a well-ventilated area. Do not breathe dusts or mists. Wear protective gloves, protective clothing, eye protection and face protection. Wear eye protection, face protection. Do not breathe dust, vapors. Keep only in original container.

Response: If swallowed: Immediately call a doctor. Rinse Mouth. Specific treatment (see first aid section on this label). If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off all contaminated clothing and wash it before reuse. Immediately call a doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing If exposed or concerned: Call a doctor. Absorb spillage to prevent material damage.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in corrosive resistant container with a resistant inner liner.

Disposal: Dispose of contents/container in accordance with local regulations.

Descriptions of Hazards not otherwise classified: N/A**Percent of mixture with unknown acute toxicity:** N/A

3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Water		7732-18-5	10-30
Hydrochloric Acid		7647-01-0	60-100
Sulfuric Acid		7664-93-9	5-10
Oxalic Acid		6153-56-6	1-5
Citric Acid		77-92-9	1-5



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Select additives		Trade Secret	Less than 4
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4. First Aid Measures

Eye Contact: If in eyes: 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.

Skin Contact: If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped. Get medical advice/attention if you feel unwell.

Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

Symptoms: Irritation eyes, nose, throat; headache, dizziness

Recommendations for immediate medical care/special treatment: Get medical advice/attention if you feel unwell.

5. Fire- Fighting Measures

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam, water, mist, fog.

Fire Hazards (Chemical): The hydrochloric acid in this product is non-combustible. Reacts with most metals to produce flammable hydrogen gas.

Calcium carbide reacts with the hydrogen chloride gas with incandescence. Uranium phosphide reacts with hydrochloric acid to release spontaneously flammable phosphine. Rubidium acetylene carbide burns with slightly warm hydrochloric acid. Lithium silicide in contact with hydrogen chloride becomes incandescent. When dilute hydrochloric acid is used, gas spontaneously flammable in air is evolved.

Magnesium boride treated with concentrated hydrochloric acid produces spontaneously flammable gas. Cesium acetylene carbide burns hydrogen chloride gas. Cesium carbide ignites in contact with hydrochloric acid unless acid is dilute.

Special Protective Equipment: Fire fighters should use self-contained breathing apparatus and protective clothing.

Precautions for Firefighters: Carbon monoxide and unidentified organic compounds may be formed during combustion.

Hydrogen chloride in contact with the following can cause an explosion, ignition on contact or other violent/vigorous reactions: Acetic anhydride $\text{AgClO} + \text{CCl}_4$ Alcohols + hydrogen cyanide, aluminum, aluminum-titanium alloys (with HCl vapor), 2-amino ethanol, ammonium hydroxide, calcium carbide Ca_3P_2 chlorine + dinitroanilines (evolve gas), chlorosulfonic acid, cesium carbide, cesium acetylene carbide, 1,1-difluoroethylene ethylene diamine, ethylene mine, fluorine, HClO_4 , hexaluminium discilicide, H_2SO_4 metal acetylides or carbides, magnesium boride, mercuric sulfate, oleum, potassium permanganate, beta-propiolactone propylene oxide, rubidium carbide, rubidium, acetylene carbide, sodium (with aqueous HCl), sodium hydroxide, sodium tetra selenium, sulfuric acid, tetra selenium tetranitride, U_3P_4 , vinyl acetate, silver perchlorate with carbon tetrachloride in the presence of hydrochloric acid produces trichloromethyl perchlorate which detonates at 40 deg C.

6. Accidental Release Measures

Emergency Procedures: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

Protective Equipment: See section 8

Environmental Precautions: Prevent release to the environment by using barriers.

Containment and Clean-Up Procedures: Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

7. Handling and Storage

Handling: Do not breathe vapors. Do not eat, drink or smoke when using this product. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed. May corrode metallic surfaces. Store in corrosive resistant container with a resistant inner liner. Keep container dry. Store away from incompatible materials such as oxidizing agents, organic materials, metals, alkalis or moisture.

8. Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
Hydrochloric Acid	7647-01-0	5 ppm (7 mg/m ³) Ceiling
Sulfuric Acid	7664-93-9	1 mg/m ³



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Oxalic Acid	6153-56-6	1 mg/m3
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ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Hydrochloric Acid	7647-01-0	2 ppm (3 mg/m3) Ceiling	
Sulfuric Acid	7664-93-9	0.2 mg/m3	
Oxalic Acid	6153-56-6	1 mg/m3	2 mg/m3

Engineering Controls: Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

Personal Protective Measures: Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

Special PPE Requirements: If ventilation hood not available wear respirator.

9. Physical and Chemical Properties Section

Appearance: Clear, yellowish, Liquid

Molecular Weight: N/A

Molecular Formula: N/A

pH: 1.0

Boiling Point and Boiling Range: N/A

Melting Point/Freezing Point: N/A

Flash Point: Not flammable

Specific Gravity/Relative Density: 1.12 g/ml

Odor: Acrid

Odor Threshold: N/A

Color: Clear, yellowish

Flammability (solid/gas): N/A

Vapor Density: N/A

Upper/Lower flammability or explosive limits: Not explosive

Vapor Pressure: N/A

Evaporation Rate: N/A

Partition Coefficient: n-octanol/water: N/A

Viscosity: N/A

Auto-ignition temperature: N/A

Solubility: N/A

Decomposition Temperature: N/A

10. Stability and Reactivity

Reactivity: Highly corrosive. Incompatible with copper and copper alloys. Attacks nearly all metals.

Chemical Stability: Stable

Conditions of Stability/Instability: Stable under normal conditions of temperature and pressure

Stabilizers needed: None

Safety issue indicated by appearance change: N/A

Other: N/A

Hazardous Reactions: N/A

Hazardous Polymerization: Does not occur

Conditions to avoid: Exposure to incompatible materials.

Classes of Incompatible Materials: Oxidizers, Strong Bases, Metals



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Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (I.e. Carbon monoxide) may be released in a fire.

11. Toxicological Information

Likely Routes of Exposure

Eyes: Highly corrosive material. Direct contact with eyes may result in burning, redness, blurred vision, pain, permanent damage to cornea and/or loss of vision. Vapors may be irritating to eyes.

Skin: Highly corrosive material. Direct contact with skin may result in burning, redness, rash, serious skin damage and/or permanent scarring.

Inhalation: Vapors are dangerous to inhale. Exposure may cause dizziness, headache, shortness of breath, chest pain, lung inflammation and/or respiratory distress.

Ingestion: Highly corrosive material. Dangerous to ingest. Ingestion may cause irritation to stomach, gastrointestinal organs, diarrhea, vomiting, discomfort, pain, and/or death. Corrosive solution may cause chemical burns to the interior of the mouth, throat and stomach lining.

Signs or Symptoms of Exposure: Headache, nausea, shortness of breath. Trouble breathing. Visible burns or rash.

Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.

Acute Toxicity (Numerical Measures): N/A

Carcinogenicity (NTP, IARC, OSHA): Does not contain any known carcinogens.

12. Ecological Information

Ecotoxicity: N/A

Persistence and degradability: N/A

Bioaccumulation Potential (octanol-water partition coefficient, BCF): N/A

Mobility in the soil: N/A

Adverse Environmental Effects: Ecological problems are not anticipated under normal use conditions.

13. Disposal Considerations

Recommended Disposal Containers: Check with your local waste authorities*

Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*

Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*

Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*

Waste Stream: Consult your local or regional authorities.*

14. Transport Information

UN Number: UN3264

UN Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s.

Transport Hazard Class(es): 8

Packing Group Number: II

Environmental Hazards (IMDG code):

Marine Pollutant: No

Transport in Bulk (IBC Code): N/A

Special Transport Precautions: N/A

15. Regulatory Information

OSHA: N/A

DOT: Bulk Packaging and Non Bulk Packaging:

UN4354, Corrosive liquid, acidic, inorganic, n.o.s., Class 8, PG II

EPA: N/A

CPSC: N/A



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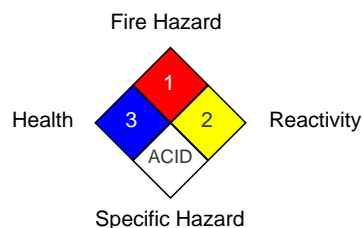
16. Other Information

Revision Date: 10/21/2015

NFPA

Health	3
Fire Hazard	1
Reactivity	2
Specific Hazard	ACID

National Fire Protection Association (USA) NFPA



HMIS

Health	3
Flammability	1
Physical Hazard	2
Personal Protection	

Hazardous Material Information System HMIS

Health	3
Flammability	1
Physical Hazard	2
Personal Protection	

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