

HYDROCLEAN

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Trade Name: Hydroclean 2.0
Product Class: Cleaning Solution
Product Use: Remediation, Restoration, Roof, Siding and Deck Cleaning, Surface Preparation, General Cleaning
Manufacturer: Microbloc, LLC
 PO Box 470
 Kernersville, NC 27285
Telephone Numbers: 24 hr. Emergency Assistance: Chemtrec 1-800-424-9300 or 1-703-527-3887
 Product or Company Information: 1-888-328-6653 (Mon – Fri)

Section 2: Composition/Information of reportable ingredients

Ingredient	CAS #	Wt. %
Sodium Carbonate Peroxyhydrate	15630-89-4	>70%
Disodium Trioxosilicate	6834-92-0	<10%
Balance of product is nonhazardous		20% - 25%

Section 3: Hazards Identification

Flash Point: Not applicable
Upper & Lower Flame Limits: Not applicable
Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Specific hazards during fire fighting: Contains an oxidizing substance. Oxygen released when heated
Special protective equipment for fire fighters: Wear eye protection, N-95 dust mask and chemical resistant gloves

Emergency Overview White powder. Inhalation of dust can mucus membranes and eyes. May cause eye/skin irritation.

Potential Health Effects:

Skin: Prolonged or repeated skin contact can cause slight irritation
Eyes: Direct contact with material can cause slight irritation
Inhalation: Inhalation of dust may irritate the nose, throat and lungs

Section 4: First Aid Measures

Eyes: Rinse with plenty of water. If eye irritation persists, call a physician.
Skin: Rinse with plenty of water and soap as a precaution. If skin irritation persists, call a physician.
Inhalation: Move to fresh air.
Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

Section 5: Fire Fighting Measures

Flash Point Not applicable
Upper & Lower Flame Limits Not applicable
Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Specific hazards during fire fighting: Contains an oxidizing substance. Oxygen released when heated.
Special protective equipment for fire fighters: Wear eye protection, N-95 dust mask and chemical resistant gloves

Section 6: Accidental Release Measures

Personal precautions Use personal protective equipment. Material contains an oxidizing agent.
Environmental precautions Caution: Keep spills of product as supplied out of municipal sewers and open bodies of water.
Methods for cleaning up Sweep up material and dispose of according to local, state and federal laws.

Section 7: Handling & Storage

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.
Storage Procedures: Do not store above 120° F. Keep dry.

Section 8: Exposure Controls/Personal Protection
Personal Protective Equipment:

Eyes/Face: Wear eye protection and N-95 dust mask. Use goggles if splashing is possible.
Skin: Use impervious gloves (neoprene).
General: Eye wash fountain and emergency showers are recommended.

Section 9: Physical & Chemical Properties

Flash Point: Not Applicable
Bulk Density 0.9-1.2 g/cm³
Solubility 14-15% in water at 72 degrees F
Vapor Pressure: None
VOC Content None
Vapor Density: No date available
Viscosity: No date available
Evaporation Rate: None
pH of a 3% solution 11
Appearance and Odor: White odorless powder

HYDROCLEAN

MATERIAL SAFETY DATA SHEET

Section 10: Stability & Reactivity

Chemical Stability:	Material is stable.
Incompatibilities:	Unpainted/uncoating white metals including aluminum and paint. Strong acids
Hazardous Polymerization:	Will not occur.

Section 11: Toxicological Information

Carcinogenicity	No Carcinogenicity data available for this product.
Acute Oral LD50	LD50 rat > 2000 mg/kg
Acute Dermal	LD50 rat > 2000 mg/kg
Primary Skin	Rabbit slight irritation
Primary Eye	Rabbit slight irritation

Section 12: Ecological Information
Ecotoxicity effects

Toxicity to fish	LC50 Rainbow trout 96 h 262 mg/L
Toxicity to algae	LC50 Cell density 96 h 50 mg/L
Toxicity to aquatic invertebrates	LC50 Daphnia magna 48 h 220 mg/L

Section 13: Disposal Considerations

Environmental precautions: Caution: Keep spills of product as supplied out of municipal sewers and open bodies of water. Do not discharge cleaning runoffs directly to open bodies of water.

Disposal

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leach Procedure (TCLP). For disposal, incinerate or landfill at a permitted facility in accordance with local, state and federal regulations.

Section 14: Transport Information

DOT	Not regulated for transport
IMO/IMDG	Not regulated (not dangerous for transport)

Section 15: Regulatory Information

Workplace Classification: The product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200). This product is not a controlled product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA Title III: Sections 311/312 Categorizations (40CFR370): This product contains an oxidizing agent. Studies have not been completed.

SARA Title III: Section 313 Information (40CFR372): This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

CERCLA Information (40CFR302-4)

Releases of this material to air, land or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

US. Toxic Substances Control Act (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information on Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

Section 16: Other Information
Hazard Ratings

	Health	Fire	Reactivity
HMIS	1	0	1

ACGIH	American Conference of Governmental Industrial Hygienists
BAC	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL)
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA)
1	Bar denotes a revision from prior MSDS

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in text.