

Diversified Waterscapes, Inc. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals that are experts in ventilation, toxicology and fire prevention; as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards or safety (2) furnish this same information to each of its customers for the product (3) request its customers to notify their employees, customers and other users of the product of this information.

Section 1 – Chemical Product & Company Identification

Trade Name:	Formula F-30 Algae Control	Revision Date: 06/27/2012
Chemical Name:	Copper Sulfate Pentahydrate Algae Control	
Manufactured for:	Diversified Waterscapes, Inc.	
Street Address, City & State:	27324 Camino Capistrano Suite 213, Laguna Niguel, CA 92677-1118	
For Technical Support:	949-582-5414	
For Chemical Emergency Only:	800-424-9300	

Section 2 – Composition/Information on Ingredients

Ingredient Name:	Copper Sulfate Pentahydrate Cu SO ₄ 5H ₂ O
Percent:	10.94%
CAS:	7758-99-8
OSHA Hazard Communication Standard:	29 CFR 1910, 1200
OMB No:	1218-0072
OSHA PEL:	1 (Cu)
ACGIH TLV:	None
Other Limits Recommended:	None
Hazardous Mixtures of Other Liquids or Solids:	The specific chemical identity is being withheld as a trade secret and will be made available to health professionals under a certain specified situation.

Section 3 – Emergency Hazards Overview

Inhalation:	N//A		
Skin:	Irritation		
Ingestion:	Irritation/Nausea		
Health Hazard:	Skin Contact: Contact with product may cause slight irritation. Ingestion: May cause vomiting, gastric pain and cramps.		
Carcinogenicity:	Not Considered A Carcinogen.		
IARC Monographs:	None		
OSHA Regulated:	No		
Signs and Symptoms of Overexposure:	Unknown. No information Available.		
Medical Conditions Generally Aggravated by Exposure:	Unknown. No information Available.		
HMIS rating:			
Health: 2	Flammability: 0	Reactivity: 0	Personal Protection: 0
HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.			

Section 4 – First Aid Measures

FIRST AID PROCEDURES

General Advice:	In all instances call a poison control center or doctor for treatment advice.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, UNLESS told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye(s).
Skin Contact:	Remove contaminated clothing. Rinse skin immediately w/plenty of water for 15-2 minutes.
Inhalation:	Move to fresh air. If breathing becomes difficult, call a physician.

Section 5 – Fire & Explosion

Flash Point:	N/A
Extinguishing media:	Dry chemical, carbon dioxide, foam, water.
Unusual Fire and Explosion:	None.
Flammable Limits:	None
Special fire fighting Procedures:	N/A
LEL:	N/A
UEL:	N/A

Section 6 – Accidental Release Measures

Accidental Release Steps:	Wear rubber boots, rubber gloves, apron, and chemical goggles. For small spills, apply absorbent and sweep up. Dispose of DOT-approved waste container. For large spills, pump into DOT-approved waste containers. Comply with all government regulations on spills.
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Section 7 - Handling and Storage

Precautions to be taken in Handling and Storage:	Normal precautions to safe handling, manufacturing practice should be followed in handling and storage. Store in a cool, dry place. Keep container tightly closed when not in use. Keep away from or feed. Do not get in eyes or on skin. Wash thoroughly after handling.
Other Precautions:	Containers, even those that have been emptied, will retain product residue. Always obey hazard warnings and handle empty containers as if they were full.

Section 8 – Exposure Controls, Personal Protection

Protective Gloves:	Rubber Gloves.
Other Protection:	Mixers, loaders and applicators must wear the following: Long sleeved shirt; long pants; shoes and socks.
Work/Hygienic Practices:	Keep out of reach of children. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Shower after work, using plenty of soap and water. Report any untoward condition at once.

Section 9 – Physical Data

Boiling Point:	212° F
Vapor Density (Air-1):	None
Vapor Pressure (mm Hg):	None
Water Solubility (%):	100%
Appearance & Odor:	Odorless Blue Liquid
Specific Gravity(H ₂ O=1):	1.21
Melting Point:	N/A
Evaporation Rate (Butyl Acetate -1):	N/A

Section 10 – Stability and Reactivity

Stability:	Stable
Incompatibility:	Do not mix concentrated product with any concentrated chlorinated product.
Conditions to Avoid:	Unknown. No information available.
Hazardous Decomposition or Byproducts:	Sulfur Trioxide above 653 Degrees C.
Hazardous Polymerization:	Will not occur.

Section 11 – Toxicology Information

Toxicology data:	No data Available
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Section 12 – Ecological Information

Ecotoxicity:	No data Available
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Section 13 – Disposal Considerations

Waste Disposal Method:	Dispose of contaminated product in a manner approved for this material. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures.
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Section 14 – Transportation Information

NOTE: The shipping classification information in this section is *only applicable* to a single container of 15 gallons or more.

DOT Shipping Description: Environmentally Hazardous Substance, Liquid, N.O.S. (Cupric Sulfate) 9, UN 3077, PG III, RQ 10 Lbs.

Section 15- Regulatory Information

FEDERAL REGULATIONS

Status on Substance Lists:	The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations. Trade Secrets are indicated by "TS".
Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA):	Requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (Rqs) on 40 CFR 302.4 Components present in this product at a level which could require reporting under the statute are: Anhydrous Cupric Sulfate (CAS# 7758-98-7) Superfund RQ = 10#/4.54 Kg.
Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:	Requires submission of annual reports of toxic chemicals that appear in 40 CFR (for SARA 313). This information must be included in all MSDSs that are distributed for this material.

Toxic Substances Control Act (TSCA) Status:	<p>Components present in this product at a level which could require reporting under the statute are: Copper (CAS# 7740-50-8). As METALLIC = 25.2% by weight.</p> <p>The ingredients of this product are on the TSCA inventory.</p>
STATE REGULATIONS	
California Proposition 65:	<p>This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under statute.</p>

Section 16 – Other Information

Disclaimer:	<p>The information contained herein is based on data considered accurate. However; no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Diversified Waterscapes, Inc. assumes no responsibility for personal injury or property damage to the Vendee, Users or Third Parties caused by the material. Such Vendees or Users assume all risks associated with the use of this material.</p>
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