

# MATERIAL SAFETY DATA SHEET

## DIVERSIFIED WATERSCAPES, INC.

27324 Camino Capistrano #213

Laguna Niguel, CA 92677

(949) 582-5414

Revision Date: 03/28/03

### SECTION 1: PRODUCT INFORMATION

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<b>Trade/Material Name:</b>	Formula F-30
<b>Chemical Name:</b>	Algae Control
<b>Manufacturer:</b>	Diversified Waterscapes, Inc.
<b>Phone:</b>	949-582-5414 & 760-837-3700
<b>Emergency Phone:</b>	800-424-9300

### SECTION 2: INGREDIENTS AND HAZARDS

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<b>Ingredient Name:</b>	Copper Sulfate Pentahydrate Cu S04 5H <sub>2</sub> O
<b>Percent:</b>	10.94%
<b>CAS:</b>	7758-99-8
<b>OSHA Hazard Communication Standard:</b>	29 CFR 1910, 1200
<b>OMB No:</b>	1218-0072
<b>OSHA PEL:</b>	1 (Cu)
<b>ACGIH TLV:</b>	None
<b>Other Limits Recommended:</b>	None
<b>Hazardous Mixtures of Other Liquids and Solids:</b>	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: PHYSICAL DATA

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

### SECTION 4: FIRE AND EXPLOSION DATA

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<b>Flash Point:</b>	N/A
<b>Extinguishing Media:</b>	N/A
<b>Special Fire Fighting Procedures:</b>	N/A
<b>Unusual Fire and Explosion:</b>	N/A
<b>Flammable Limits:</b>	None
<b>LEL:</b>	N/A
<b>UEL:</b>	N/A

### SECTION 5: REACTIVITY DATA

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<b>Stability:</b>	Stable
<b>Incompatibility:</b>	Do not mix concentrated product with any concentrated chloronated product.
<b>Conditions to Avoid:</b>	Unknown. No information available.

**Hazardous Decomposition or Byproducts:** Sulfur Trioxide above 653 Degrees C.

**Hazardous Polymerization:** Will not occur.

## **SECTION 6: HEALTH HAZARD DATA**

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<b>Inhalation:</b>	N/A
<b>Skin:</b>	Irritation
<b>Ingestion:</b>	Irritation / Nausea
<b>Health Hazard:</b>	Skin Contact: Contact with Product May Cause Slight Irritation. Ingestion: May Cause Vomiting, Gastric Pain and Cramps.
<b>Carcinogenicity:</b>	Not Considered A Carcinogen.
<b>IARC Monographs:</b>	None
<b>OSHA Regulated:</b>	No
<b>Signs And Symptoms of Exposure:</b>	Unknown. No information available.
<b>Medical Conditions Generally Aggravated by Exposure:</b>	Unknown. No information available.
<b>Emergency and First Aid Procedure:</b>	In all instances: Call a poison control center or doctor for treatment advice. Eye Contact: 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). For Skin: Remove contaminated clothing. Rinse skin immediately w/plenty of water for 15-20 minutes. If Swallowed: 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.

## **SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Steps To Be Taken In  
Case Of Leak Or Spill:**

Wear rubber boots, rubber gloves and apron,  
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.

**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.

**Precautions To Be Taken In Handling And Storing:**

Store in a cool, dry place. Keep container tightly closed when not in use. Keep away from food 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: CONTROL MEASURES

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**Respiratory Protection:**

NIOSH - approved respirator or mask in the absence of adequate ventilation.

**Mechanical:**

Local mechanical exhaust at use point.

**Protective Gloves:**

Rubber Gloves.

**Eye Protection:**

Chemical Goggles Or Full Face Shield

**Other Protection:**

Long Sleeved Shirt; Trousers; Safety Shoes And Rubber Apron.

**Work/Hygienic Practices:**

Shower After Work, Using Plenty Of Soap And Water. Report Any Untoward Condition At Once.

## SECTION 9: SPECIAL PRECAUTIONS

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**Precautions To Be Taken in Handling and Storing**

Normal precautions to safe handling, manufacturing practice should be followed in handling and storage

**Other Precautions:**

None  
HMIS RATING: Health: 0  
Flammability: 0  
Reactivity: 0

## SECTION 10: REGULATORY INFORMATION

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**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".

**Federal EPA:**

**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.

Components present in this product at a level which could require reporting under the statute are: Copper (CAS# 7440-50-8) As METALLIC = 25.2% by weight.

**Toxic Substances Control Act (TSCA) STATUS:**

The ingredients of this product are on the TSCA inventory.

**STATE RIGHT-TO-KNOW:**

**CALIFORNIA Proposition 65:**

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.

**THE INFORMATION CONTAINED HEREIN IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AS TO THE DATE OF PUBLICATION OF THIS MATERIAL SAFETY DATA SHEET.**