

Sea 7 Technologies, Inc.

### Safety Data Sheet

May be used to comply with OSHA's Hazard Standard, 29 CFR 1910.1200

Dist. By: Durvet, Inc.  
100 SE Magellan Drive  
Blue Springs, MO 64014  
800-821-5570

### U.S. Department of Labor

Occupational Safety and Health Administration  
Form Approved OMB No. 1218-0072

IDENTITY (As Used on Label and List)  
**AquaVet Copper Sulfate 5 & 15lb**  
**EPA # 46923-4**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

#### SECTION I – Product and Company Identification

Manufacturer's Name <b>Sea 7 Technologies, Inc.</b>	Emergency Telephone Number <b>(800) 424-9300 Chemtrec</b>
Address <b>10214 Chestnut Plaza #177 Fort Wayne, Indiana 46814</b>	Telephone Number for Information <b>260-348-3255</b>
Date Prepared <b>09/01/2015</b>	Signature of Preparer (Optional) <b>N/A</b>
Distributed by Durvet, Inc. 100 SE Magellan Blue Springs, Mo. 64014	Dist. Phone# (816)-229-9101

#### SECTION II – Hazard Ingredients      Section III – Composition/Information on Ingredients

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits recommended
Blue Vitrol, Bluestone, Cupric Sulfate	<b>1.0 mg/m3 (as copper dust/mist)</b>	<b>1.0 mg/m3 (as copper dust/mist)</b>	<b>N/A</b>

Signal Word – **Danger**  
**This product contains Copper Sulfate and is subject to the reporting requirements of Section 13 of the Emergency Planning and Community-Right-to-Know-Act of 1986 (40 CFR 372).**

#### SECTION IV – First Aid

Emergency and First Aid Procedures	
<b>Ingestion</b>	<b>Give large amounts of milk, egg white, gelatin solution, or if they are not available, Large quantities of water. Do not induce vomiting or give anything to an unconscious person. Avoid alcohol. Call Poison Control Center or a physician.</b>
<b>Skin</b>	<b>Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.</b>
<b>Eyes</b>	<b>Immediately flush eyes with plenty of water for 15 minutes. Hold eyelids apart during irrigation. Call a physician.</b>
<b>Inhalation</b>	<b>Remove person to fresh air. If not breathing administer artificial respiration. Get medical attention.</b>
<b>Carcinogenicity</b>	<b>None as per NTP, OSHA, and IARC.</b>

#### SECTION V – Firefighting and Explosion Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
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<b>Non-Combustible</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
Extinguishing Media <b>Copper Sulfate does not burn nor will it support combustion. If stored with other combustible products, use water, CO2 or dry chemical.</b>			
Special Fire Fighting Procedures <b>Wear self-contained breathing apparatus</b>			
Unusual Fire and Explosion Hazards	If dry heated above 600o C, SO2 is dissolved.	If water is used, it will solubilize the Copper Sulfate	Care should be taken to keep such water out of streams or other water bodies.

## SECTION VI and VII – Precautions for Accidental Release and Safe Handling and Storage

Steps to be Taken in Case Material is Released or Spilled

**Use clean-up measures that avoid dust generation. Wear NIOSH or MSHA approved respirator if dust will be generated. Cover spill with absorbent material such as seeping compound or lime.**

Waste Disposal Method

**Sweep up and put into an appropriate container for proper disposal in an approved method. Prevent accidental entry of solution into streams or other bodies of water. Shovel spills into plastic bags and seal with tape**

Precautions to be Taken in Handling and Storing

**Handling Information: Avoid breathing dust or mist. Sweep up crystals. Eye wash stations should be available in work areas. Users should wash hands before eating, drinking, smoking or using the toilet. Remove PPE immediately after handling this product. Wash outside of gloves before removing. Wash and change into clean clothing as soon as possible. Store in closed containers in a cool, dry, well-ventilated area away from heat sources and reducing agents. Store in original containers. Keep away from galvanized pipe, aluminum and nylon. Place damaged containers in plastic bags.**

Other Precautions

**The transportation of Dangerous Good Act classification for this product is: Regulated DOT classification: DOT Shipping Name RQ, Environmentally Hazardous Substance, Solid, NOS, (CUPRIC SULFATE), 9, UN3077, PGIII, ERG 171 Marine Pollutant**

**Reportable Quantity (RQ): 10 pounds (4.54 kg)**

**Not hazardous when shipping less than 10 pounds**

## SECTION VIII – Control Measures

### Respiratory Protection

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Special</b>
TWA = 1 mg/l. for Copper Sulfate. When TWA exceeds this limit in the workplace, provide appropriate ventilation.	Wear an approved respirator for dusts or mists: MSHA/NIOSH approved number prefix TC-21C, or a NIOSH approved respirator with any R, P or HE filter. Alternatively, provide respiratory protection equipment in accordance with Paragraph 1910.134 of Title 29 of the Code of Federal Regulations.	Keep and wash PPE separately from other laundry.
<b>Eye Protection</b>	<b>Mechanical (General)</b>	<b>Protective Gloves</b>
Use safety glasses with side shields or safety goggles	N/A	Applicators and other handlers should wear long-sleeved shirts and long pants, waterproof gloves, shoes plus socks and protective eyewear. Discard clothing and other absorbent materials that have

		been drenched.
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**Other Protective Clothing or Equipment**

Long sleeved clothing, long pants and closed toed shoes are recommended. The use of a filtered mask is recommended.

Work/Hygienic Practices **N/A**

**SECTION IX – Physical/Chemical Characteristics**

Boiling Point	<b>N/A</b>	Specific Gravity (H2O = 1)	<b>2.284</b>
Vapor Pressure (mm Hg)	<b>N/A</b>	Melting Point	<b>Decomposition above 110oC with -4H2O</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water = <b>22.37% @ 0oC</b> <b>117.95% @ 100oC</b>			
Appearance and Odor = <b>Blue crystals or powder; odorless (slight smell of pennies)</b>			
Solubility in other materials= <b>Soluble in methanol, glycerol and slightly soluble in ethanol.</b>			

**SECTION X – Stability and Reactivity**

**The product is stable. Maintain in properly vented containers.**

<b>Stability</b>	<b>Unstable N/A</b>	<b>Stable Stable</b>	<b>Conditions to Avoid None</b>
Incompatibility (Materials to Avoid) <b>Solutions are mildly corrosive to steel. Store solutions in plastic or rubber or 304, 347 or 316 stainless steel. Iron and moisture should be avoided. Store in a dry area. Incompatible with aluminum powder, acetylene gas, hydroxylamine, magnesium and moisture. Contact with magnesium can generate dangerous levels of hydrogen gas. With exposure to air it will oxidize and turn whitish</b>			
Hazardous Decomposition of Byproducts <b>None at normal production temperatures and pressures. If dry heated above 600oC toxic sulfur may evolve.</b>			
Hazardous Polymerization	May Occur <b>N/A</b>	<b>Will Not Occur</b>	Conditions to Avoid <b>None</b>

**SECTION XI – Toxicological Information**

Health Hazards:

Exposure: **Skin; (LD50 > 8.0 g/kg (rabbit) Ingestion: LD50 > 472.5 mg/kg (rat)**

Acute Effects: **may cause mild transient irritation.**

Chronic Effects: **Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed. Wilson’s disease can be aggravated by excessive exposure. Symptoms include nausea, vomiting, epigastria pain, diarrhea, dizziness, jaundice and general debility.**

<b>Route(s) of Entry</b>	<b>Inhalation? Slight irritation</b>	<b>Skin? Slight irritation</b>	<b>Ingestion? Do not ingest.</b>
Health Hazards (Acute and Chronic) <b>No toxic effects are known</b>			
Carcinogenicity <b>None</b>	NTP? <b>None</b>	IARC Monographs? <b>None</b>	OSHA Regulated? <b>NO</b>
Signs and Symptoms of Exposure <b>N/A</b>			
Medical Conditions Generally Aggravated by Exposure <b>Wilson Disease (see above for Chronic effects)</b>			

**SECTION XII – Ecological Data**

May be dangerous if it enters the public water systems.

Follow local regulation. Toxic to fish and plants. Fish toxicity critical concentration is 235 mg/l. and plant toxicity is 25 mg/l.

**SECTION XIII – Disposal Considerations**

Do not reuse container. Comply with Federal, State and local environmental control regulations. Sweep up crystals, powder or insoluble Copper Carbonate and dispose of in an approved landfill

**SECTION IX – Transport Information**

DOT Shipping Name: RQ, Environmentally Hazardous Substance, Solid, NOS, (CUPRIC SULFATE), 9, UN3077, PGIII, ERG 171 Marine Pollutant

Reportable Quantity (RQ): 10 pounds (4.54 kg)

Not hazardous when shipping less than 10 pounds

**SECTION XV – Regulatory Information**

NFPA Hazard Rating: Health – 3; Flammability – 0; Instability – 0

HMIS Rating: Health –30; Flammability – 0; Reactivity – 0

CA Proposition 65: not listed

**NOTICE:** The information herein is presented in good faith and believed to be accurate. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with Federal, State and local laws.

**SARA 313 Information;** This product contains the following substance subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

**COPPER COMPOUND > 1.0%**

**SARA HAZARD CATEGORY:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category:

**ACUTE HEALTH HAZARD**

**OSHA:** This product is considered hazardous under the OSHA Hazardous Communication Standard (29 CFR 1910.1200)

**TSCA:** Listed on the Chemical Inventory

**CERCLA Hazardous Substances:** RQ is not assigned to the broad class of copper compounds.

**RCRA:** When discarding this material as supplied, it does not meet RCRA characteristic definition if ignitability, corrosivity reactivity and is not listed in 40CFR 261.33.

Other information

This is an NSF Certified Product to ANSI/NSF 60. Maximum use in potable water is not to exceed 2 mg. per liter