

**OREQ CORPORATION**  
42306 Remington Avenue Temecula CA 92590

**Pool Pals®**  
**MATERIAL SAFETY DATA SHEET**

INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE USE OR DISSEMINATION OF ALL OR ANY PART OF THIS INFORMATION FOR ANY OTHER PURPOSE MAY RESULT IN A VIOLATION OF LAW OR CONSTITUTE GROUNDS FOR LEGAL ACTION

**SECTION I**

<b>MANUFACTURER'S NAME</b> Advantis Technologies Inc.	<b>EMERGENCY TELEPHONE</b> CHEMTREC 1-800-424-9300
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<b>TRADE NAME AND SYNONYMS</b> Pool Pals® ALGAE EATER	<b>EPA REG. NO.</b> 8959-2-75538
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<b>CHEMICAL NAME AND SYNONYMS</b> COPPER TRIETHANOLAMINE COMPLEX
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<b>CHEMICAL FAMILY</b> Copper and Nitrogen Compounds	<b>FORMULA</b> Proprietary Mixture
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**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>COMPONENT</b>	<b>CAS NUMBER:</b>
CITRIC ACID	77-92-9
COPPER CARBONATE	12069-69-1
MONOETHANOLAMINE	141-43-5
TRIETHANOLAMINE	102-71-6
COPPER CARBONATE AS DUST OR MIST	7440-50-8
INGREDIENTS LISTED IN THIS SECTION HAVE BEEN DETERMINED TO BE HAZARDOUS AS DEFINED IN 29CFR 1910.1200. MATERIALS DETERMINED TO BE HEALTH HAZARDS ARE LISTED IF THEY COMPRISE 1% OR MORE OF THE COMPOSITION. MATERIALS IDENTIFIED AS CARCINOGENS ARE LISTED IF THEY COMPRISE 0.1% OR MORE OF THE COMPOSITION. INFORMATION ON PROPRIETARY MATERIALS IS AVAILABLE IN 29CFR 1910.1200(i)(1).	

**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>BOILING POINT</b> 212°F	<b>SPECIFIC GRAVITY (H20-1)</b> 1.2
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<b>VAPOR PRESSURE</b> Not Determined	<b>VAPOR DENSITY</b> >1
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<b>SOLUBILITY IN WATER</b> Yes	<b>MELTING POINT</b> NOT AVAILABLE
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<b>APPEARANCE AND ODOR</b> BLUE VISCOUS LIQUID	<b>EVAPORATION RATE</b> >1
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**SECTION IV – FIRE AND EXPLOSION HAZARDS**

<b>FLASH POINT (METHOD USED)</b> N/A	<b>FLAMMABLE LIMITS</b> N/A
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<b>EXTINGUISHING MEDIA</b> – THIS PRODUCT IS NOT COMBUSTIBLE. USE ANY EXTINGUISHING MEDIA THAT IS SUITABLE FOR THE SURROUNDING FIRE.
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<b>SPECIAL FIRE FIGHTING PROCEDURES</b> – FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
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UNUSUAL FIRE AND EXPLOSION HAZARDS – NONE

### SECTION V – HEALTH HAZARD DATA

TOXICITY – NO DATA AVAILABLE

ROUTES OF ENTRY –SKIN CONTACT, EYE CONTACT, INHALATION.

**EMERGENCY OVERVIEW:** BLUE VISCOUS LIQUID, NOT FLAMMABLE OR COMBUSTIBLE. CORROSIVE, CAUSES EYE AND SKIN DAMAGE. HARMFUL IF INHALED. **POTENTIAL HEALTH EFFECTS – INHALATION:** CAUSES RESPIRATORY TRACT IRRITATION. **EYE:** CAUSES EYE IRRITATION. **SKIN:** CAUSES SKIN IRRITATION **INGESTION:** HARMFUL IF SWALLOWED. **CHRONIC EFFECTS:** REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS AND/OR SKIN SENSITIZATION AND DISCOLORATION. CHRONIC EXPOSURE TO COPPER SALTS MAY CAUSE BLOOD AND LIVER DAMAGE. **SIGNS AND SYMPTOMS:** CONTACT WITH SKIN AND EYES MAY BE IRRITATING. VAPORS OR MIST MAY CAUSE IRRITATION WITH PAIN, COUGHING AND DISCOMFORT TO EYES, NOSE, THROAT, AND CHEST. **CONDITIONS AGGRAVATED BY EXPOSURE:** NONE KNOWN

**EMERGENCY AND FIRST AID PROCEDURES – INGESTION:** IMMEDIATELY CONTACT YOUR POISON CONTROL CENTER OR EMERGENCY DEPARTMENT. **INHALATION:** REMOVE TO FRESH AIR. EVALUATE PRINCIPAL ROUTE OF ENTRY, SEEK APPROPRIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. **EYE:** IN CASE OF CONTACT, HOLD EYELIDS APART AND IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN OR A POISON CONTROL CENTER IMMEDIATELY. **SKIN:** RINSE THE AFFECTED AREA WITH TEPID WATER FOR AT LEAST 15 MINUTES.

### SECTION VI – REACTIVITY DATA

**STABILITY**  
STABLE

**CONDITIONS TO AVOID**  
STRONG ACIDS AND NITRITES

**HAZARDOUS DECOMPOSITION PRODUCTS –** THERMAL DECOMPOSITION MAY CAUSE OXIDES OF CARBON AND NITROGEN

**HAZARDOUS POLYMERIZATION**  
WILL NOT OCCUR

### SECTION VII – PRECAUTIONS FOR SAFE HANDLING

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED –** CONTAIN AND/OR ABSORB SPILL WITH INERT MATERIAL (E.G. SAND VERMICULITE). FLOOD WITH WATER.

**WASTE DISPOSAL METHOD** INCINERATE IN A FURNACE OR FLUSH SMALL AMOUNT INTO SEWER SYSTEM <5 GALLONS. REFER TO APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AS WELL AS INDUSTRY STANDARDS.

### SECTION VIII – CONTROL MEASURES

**RESPIRATORY PROTECTION**  
GENERAL ROOM VENTILATION IS NORMALLY ADEQUATE

**PROTECTIVE GLOVES**  
GLOVES

**EYE PROTECTION**  
SAFETY GLASSES

### SECTION IX – SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING –** AVOID CONTACT WITH EYES. WASH HANDS BEFORE EATING, DRINKING, OR SMOKING. STORE IN A COOL DRY PLACE. KEEP OUT OF REACH OF CHILDREN.

### SECTION X – ECOLOGICAL INFORMATION

**ECOLOGICAL -**  
NO SPECIFIC DATA AVAILABLE.

### **SECTION XI- TRANSPORT INFORMATION**

**PROPER SHIPPING NAME-** CORROSIVE LIQUIDS, N.O.S. (COPPER TRIETHANOLAMINE COMPLEX)  
**DOT IDENTIFICATION NUMBER-** UN1760  
**HAZARD CLASS-** 8,PGGIII (<=4L CONSUMER COMMODITY ORM-D)

### **SECTION XII- REGULATORY INFORMATION**

**STATE REGULATIONS:** INGREDIENTS- TRIETHANOLAMINE PENNSYLVANIA-WORKPLACE HAZARD  
MASSACHUSETTS- HAZARDOUS SUBSTANCE

**CANADIAN REGULATORY INFORMATION:** CLASS D, DIV-2B- POISONOUS OR INFECTIOUS MATERIAL: OTHER TOXIC EFFECTS

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