



SAFETY DATA SHEET

Product name ClearView Copper Strike

Revision date 5-09-15

Section 1 Identification

Product ID: Copper Strike

Synonyms: 2,2',2''-Nitrilotriethanol copper salt; Triethanolamine-copper complex; Copper triethanolamine; K-Lox, K-Pool, K-Tea

Chemical Name: Copper Triethanolamine Complex

Chemical Formula: $C_6H_{15}CuNO_3$

CAS Number: 31089-39-1

Product Use: Algaecide. Prevents all types of algae.

Supplier: Oreq Corporation
42306 Remington Ave.
Temecula, CA 92532
951-296-5076

Emergency Phone# CHEMTREC 800-424-9300

Section 2 Hazards identification

EMERGENCY OVERVIEW CAUTION

Routes of Entry: Inhalation: Yes
Skin: No
Ingestion: No

Reports of Carcinogenicity: NTP: No
IARC: No
OSHA: No

Health Hazards Acute and Chronic: Non-irritating to eyes and skin. Minimal hazard from inhalation. Highly emetic, very seldom toxic.

Explanation of Carcinogenicity: Not relevant.

Effects of Overexposure: See health hazards.

Medical Cond Aggravated by Exposure: None known.

Other Hazards: Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

*For GHS required information see SECTION 15: *REGULATORY INFORMATION*.

Section 3 Composition / Information on ingredients

<u>Component</u>	<u>CAS Number</u>	<u>Percent</u>
Copper Triethanolamine Complex*	31089-39-1	23.21%

*Metallic copper equivalent 7.00%

Contains 0.33 lbs. of elemental copper per gallon



SAFETY DATA SHEET

Product name ClearView Copper Strike

Revision date 5-09-15

Section 4 First - aid measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Contact: Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye irritation.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed:
If you feel unwell, seek medical advice (show the label where possible).

Section 5 Fire - fighting measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire. Application of water stream to hot product may cause frothing and increase fire intensity.

Special Hazards Arising From The Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: None

Reference to Other Sections: Refer to Section 9 for flammability properties.

Product name ClearView Copper Strike**Revision date** 5-09-15**Section 6 Accidental release measures****Personal Precautions, Protective Equipment and Emergency Procedures****General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).**For Non-Emergency Personnel****Protective Equipment:** Use appropriate personal protection equipment (PPE).**Emergency Procedures:** Evacuate unnecessary personnel.**For Emergency Personnel****Protective Equipment:** Equip cleanup crew with proper protection.**Emergency Procedures:** Stop leak if safe to do so. Ventilate area.**Environmental Precautions:**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.**Reference to Other Sections:** See Heading 8. Exposure controls and personal protection.**Section 7 Handling and storage****Precautions for Safe Handling****Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.**Conditions for Safe Storage, Including Any Incompatibilities****Technical Measures:** Comply with applicable regulations.**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Protect product from freezing.**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.**Specific End Use(s):** Swimming pool algacide.**Section 8 Exposure controls / personal protection****Control Parameters:** No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.**Exposure Controls****Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.**Personal Protective Equipment:** Protective goggles. Gloves. Protective clothing.

Product name	ClearView Copper Strike
Revision date	5-09-15
Materials for Protective Clothing:	Chemically resistant materials and fabrics.
Hand Protection:	Wear chemically resistant protective gloves.
Eye Protection:	Chemical goggles or safety glasses.
Skin and Body Protection:	Wear suitable protective clothing.
Respiratory Protection:	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
Environmental Exposure Controls:	Do not allow the product to be released into the environment.
Consumer Exposure Controls:	Do not eat, drink or smoke during use

Section 9 Physical and chemical properties

Physical State:	Liquid
Appearance:	Blue
Odor:	Slight
Odor Threshold:	Not available
pH:	7.85 - 8.05
Relative Evaporation Rate (butylacetate=1):	Not available
Melting Point:	Not available
Freezing Point:	-5.6 °C (22 °F)
Boiling Point:	100 °C (212 °F)
Flash Point:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Flammability (solid, gas):	Not available
Lower Flammable Limit:	Not available
Upper Flammable Limit:	Not available
Vapor Pressure:	17mm
Relative Vapor Density at 20 °C:	Not available
Relative Density:	Not available
Specific Gravity:	1.08-1.11
Solubility:	Miscible
Partition coefficient (n-octanol/water):	Not available
Viscosity:	Not available
Explosion Data – Sensitivity to Mechanical Impact:	Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge:	Not expected to present an explosion hazard due to static discharge.

Section 10 Stability and reactivity

Reactivity:	Hazardous reactions will not occur under normal conditions.
Chemical Stability:	Stable under recommended handling and storage conditions (see Section 7).
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Direct sunlight. Extremely high or low temperatures. Incompatible materials.
Incompatible Materials:	Strong acids. Strong bases. Strong oxidizers.
Hazardous Decomposition Products:	Carbon oxides (CO, CO ₂).



SAFETY DATA SHEET

Product name ClearView Copper Strike

Revision date 5-09-15

Section 11 Toxicological information

Acute Toxicity:	Not classified
LD50 and LC50 Data:	Not available
Skin Corrosion/Irritation: pH: 7.85 - 8.05	Not classified
Serious Eye Damage/Irritation: pH: 7.85 - 8.05	Causes serious eye irritation.
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Teratogenicity:	Not available
Carcinogenicity:	Not classified
Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Reproductive Toxicity:	Not classified
Specific Target Organ Toxicity (Single Exposure):	Not classified
Aspiration Hazard:	Not classified
Symptoms/Injuries After Inhalation:	May cause respiratory irritation.
Symptoms/Injuries After Skin Contact:	May cause skin irritation.
Symptoms/Injuries After Eye Contact:	Causes serious eye irritation.
Symptoms/Injuries After Ingestion:	Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms:	None expected under normal conditions of use.

Section 12 Ecological information

Ecology - General:	Very toxic to aquatic life with long lasting effects.
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
Other Adverse Effects:	Avoid release to the environment.

Section 13 Disposal considerations

Waste Disposal:	Pesticide wastes are toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.
Container:	Non-refillable container. Do not refill or reuse this container. Triple rinse or equivalent before discarding in trash.



SAFETY DATA SHEET

Product name ClearView Copper Strike

Revision date 5-09-15

Section 14 Transport information

DOT: **UN Number:** ORM-D
UN Proper Shipping Name: ORM-D
Transport Hazard Class: ORM-D
Packing Group: ORM-D

Consumer commodity (ORM-D) means a material that is packaged and distributed in a form intended or suitable for sale through retail sales agencies or instrumentalities for consumption by individuals for purposes of personal care or household use. Valid until December 31, 2020.

TDG: **UN Number:** 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Cupric Sulfate)
Transport Hazard Class: 9
Packing Group: III
Marine Pollutant: Yes

MEX: **UN Number:** 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Cupric Sulfate)
Transport Hazard Class: 9
Packing Group: III
Marine Pollutant: Yes

IMDG: **UN Number:** 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Cupric Sulfate)
Transport Hazard Class: 9
Packing Group: III
EMS-No: F-A, S-F
Marine Pollutant: Yes

IATA: **UN Number:** 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper Triethanolamine Complex)
Transport Hazard Class: 9
Packing Group: III

Section 15 Regulatory information

*This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

-The signal word **CAUTION** is not recognized by the GHS requirements and therefore would not be present on a GHS label or SDS.

-OSHA Regulatory Status: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Not a dangerous substance or mixture according to the **Globally Harmonized System (GHS)**.



SAFETY DATA SHEET

Product name ClearView Copper Strike

Revision date 5-09-15

Section 15 Regulatory information (Continued)

US Federal Regulations: Neither this product nor its chemical components appear on any US federal lists.

US State Regulations: Neither this product nor its chemical components appear on any US state lists.

Canadian Regulations

Pool Algaecide

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects: Skin/Eye Irritation-Reversible Damage
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Section 16 Other information

NFPA Health Hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA Fire Hazard: 1 - Must be preheated before ignition can occur.

NFPA Reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 - Slight Hazard - Irritation or minor reversible injury possible

Flammability: 1 - Slight Hazard

Physical: 0 - Minimal Hazard

DATE OF PREPARATION

5-09-2015

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