



MATERIAL SAFETY DATA SHEET

Product Name Nava 90 Day Algaecide

1. IDENTIFICATION

Product Name: 90 DAY ALGAECIDE
Other Names: COPPER (II) TRIETHANOLAMINE COMPLEX
Product Code: 3
U.N. Number: N/A
Dangerous Goods Class: N/A
Secondary Risk: N/A
Hazchem Code: N/A
Pack Code: N/A
EPG: N/A
Poisons Schedule: 5
Uses: Swimming Pool Algaecide

1.1 PHYSICAL DESCRIPTION / PROPERTIES

Appearance: Blue liquid
Formula: Cu C H N O
12 30 2 6
Boiling Point: 100 °C Melting Point: N/A
Freezing Point: -5.6 Celsius (21.9 Fahrenheit).
Vapor Pressure: 17mm Specific Gravity: 1.08-1.11(water = 1)
Flash Point Test: N/A
Flammability Limits (as % vol in air) N/A
Solubility in water: Miscible Lower Explosion Limit: N/A
PH: 7.85-8.05 Upper Explosion Limit: N/A
Stability: Stable Incompatibility: Strong acids
Hazardous Decomposition or Byproducts: Oxides of carbon and nitrogen
Hazardous Polymerization: Will not occur.

1.2 Other Properties

May foam. Slight odor.

1.3 Ingredients

Chemical Entity
COPPER (II) TRIETHANOLAMINE COMPLEX
C.A.S. No
31089-39-1
Proportion
30-31%

2. HEALTH HAZARD INFORMATION

No adverse health effects should be anticipated if the product is used in accordance with this MSDS and the product label. If the product is not used properly the following may occur:

2.1 HEALTH EFFECTS – ACUTE Swallowed



MATERIAL SAFETY DATA SHEET

Product Name

Nava 90 Day Algaeicide

Swallowing can result in burning and metallic taste in mouth, irritation of the mouth, esophagus and stomach, vomiting, diarrhea, abdominal pain, jaundice and kidney failure, dizziness, faintness, loss of consciousness and death.

Eye

Eye irritant. May cause watering of the eye and blurred vision. Contamination of the eyes can result in permanent injury.

Skin

Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to skin burns and allergic contact dermatitis.

Inhaled

Not normally an inhalation hazard due to low vapor pressure.

2.2 HEALTH EFFECTS – CHRONIC

No information is available. Components are not listed as carcinogens or potential carcinogens.

2.3 FIRST AID

Swallowed

Immediately rinse mouth. If swallowed do NOT induce vomiting. Give water or milk. Seek immediate medical assistance.

Eye

Immediately irrigate with copious quantities of water for at least 15 minutes. Hold eyelids open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance.

Skin

Immediately wash skin contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Inhaled

Remove victim from exposure to fresh air. Seek medical advice if effects persist.

2.4 FIRST AID FACILITIES

2.5 ADVICE TO DOCTOR

Treat symptomatically. Corrosive. May cause stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control.

2.6 TOXICITY DATA

Oral LD50 (rat): 4500mg/Kg

SKIN: Greater than 2000mg/Kg

EYES: Irritant

INHALATION: No effect at 2000mg/kG

3. PRECAUTIONS FOR USE



MATERIAL SAFETY DATA SHEET

Product Name **Nava 90 Day Algaecide**

3.1 Exposure standards

N/A

3.2 Engineering controls

Normal ventilation should be sufficient under normal conditions. Keep containers closed when not in use.

3.3 Personal Protection

Avoid skin and eye contact. Wear overalls, face shield, elbow length PVC gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

3.4 Flammability

Non-flammable.

4. SAFE HANDLING INFORMATION

4.1 STORAGE/TRANSPORT

Transport or store in a cool, dry area away from direct heat. Keep container tightly closed when not in use. Do not pack in unlined steel drums.

4.2 PACKAGING/LABELLING

U.N. No: N/A **Class:** N/A **Sub Risks:** N/A **Hazchem Code:** N/A

Packaging Group: N/A **EPG No:** N/A

Shipping Name: Agricultural Herbicide

Hazard: N/A

4.3 SPILLS AND DISPOSAL

Spills

Clear area of all unprotected personnel. Avoid inhalation of vapor or mist. Increase ventilation. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination.

Disposal (After treatment above)

Refer to State Land Waste Management Authority. Decontaminate empty containers.

4.4 FIRE AND EXPLOSION HAZARD

Fire/Explosion

Not combustible, however following evaporation of aqueous component residual could burn if ignited.



MATERIAL SAFETY DATA SHEET

Product Name

Nava 90 Day Algacide

Decomposes on heating emitting toxic fumes including those of NOx. Firefighters should wear self contained breathing apparatus if there exists a risk of exposure to products of decomposition.

Extinguishing media

Water fog (or if unavailable fine water spray), foam, dry agent, (carbon dioxide, dry chemical powder)

Environmental Impact

Avoid contaminating waterways.

5. OTHER INFORMATION

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, NAVA Water Products makes no representations as to the completeness or accuracy thereof.

Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use.

In no event will NAVA Water Products be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANT ABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

5.1 Contact Points

Supplier

NAVA Water Products
95 MacCorkle Ave. SW, South Charleston, WV 25303 , USA
Tel: (304) 746-3000

Emergency Telephone

Chemtrec (800)424-9300

End of safety data sheet