

BLUE WATER®
MARINE PAINT
SAFETY DATA SHEET

1. Product and Company Identification

Material name Copper Shield 45
Version # 01
Revision date 5-12-2021
Product code 860 Series
Product use Marine Antifouling Paint – TBT-Free
Manufacturer/Supplier Blue Water Marine Paint
14805 49th Street North
Clearwater, FL 33762
USA Only: 1-800-528-0997
International: 727-523-8053

Emergency CHEMTREC day or night inside USA & Canada
1-800-424-9300
CHEMTREC day or night outside USA & Canada
1-703-741-5970

2. Hazards Identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 3	H226
Acute Tox. 4	H302
Asp. Tox. 1	H304
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1	H317
Carc. 1A	H350

Contains 9.5% ingredients of unknown oral toxicity.

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: **Danger**

Hazard statements (GHS-US)

: H226 – Flammable liquid and vapor
H304 – May be fatal if swallowed and enters airways
H302 – Harmful if swallowed
H317 – May cause an allergic skin reaction
H350 – May cause cancer
H400 – Very toxic to aquatic life
H410 – Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US)

: P201 – Obtain special instructions before use
P202 – Do not handle until all safety precautions have been read and understood
P210 – Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 - Keep container tightly closed
 P240 - Ground/bond container and receiving equipment
 P241 - Use explosion-proof electrical/ventilating/lighting equipment
 P242 - Use only non-sparking tools
 P243 - Take precautionary measures against static discharge
 P261 - Avoid breathing fumes or mist.
 P264 - Wash face, hands and forarms thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P272 - Contaminated work clothing must not be allowed out of the workplace
 P273 - Avoid release to the environment
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301+P310 - IF SWALLOWED: Immediately call a doctor.
 P301+P312 - If swallowed: Call a doctor if you feel unwell
 P302+P352 - If on skin: Wash with plenty of water.
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P308+P313 - If exposed or concerned: Get medical advice/attention
 P321 - Specific treatment (see first aid instructions on this label)
 P330 - Rinse mouth
 P331 - Do NOT induce vomiting
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
 P362+P364 - Take off contaminated clothing and wash it before reuse
 P370+P378 - In case of fire: Use water to extinguish
 P391 - Collect spillage
 P403+P235 - Store in a well-ventilated place. Keep cool
 P405 - Store locked up
 P501 - Dispose of contents/container to licenced waste handling facility.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

3. Composition / Information on Ingredients

Components	CAS #	Percent
Cuprous Oxide	1317-39-1	>45.0%
Magnesium Silicate	14807-96-6	<10.0%
High Flash Naphtha	64742-94-5	<19.5%

4. First Aid Measures

Eye contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation persists. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration. Call a poison control center or doctor immediately for further treatment advice. For additional information in case of emergency call toll free CHEMTREC 1-800-424-9300. Have the product container or label with you when calling a poison control center or doctor for treatment.

Ingestion

DO NOT INDUCE VOMITING UNLESS TO DO SO BY MEDICAL PERSONEL. Call a poison control center or doctor immediately for treatment advice. NEVER give anything by mouth to an unconscious person.

5. Fire Fighting Measures

- Flammable properties** Flammable, Category 3, Flash Point over 100 °F.
- Extinguishing media** - Water, water fog, foam, dry chemical, carbon dioxide
- Firefighting equipment/instructions.** – Self-contained breathing apparatus and full protective clothing
- Hazardous combustion products** - Copper, Carbon and Silicon oxides.

6. Accidental Release Measures

- Personal precautions** Ensure adequate ventilation. Wear suitable protective clothing. See Section 8 of the SDS for Personal Protective Equipment.
- Environmental precautions** Collect using non-sparking equipment and dispose of spillage in accordance with state and local regulations.
- Methods for containment** Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.
- Methods for cleaning up** Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
- Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).
- Never return spills to original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.
- Other information** Clean up in accordance with all applicable regulations.

7. Handling and Storage

- Handling** Avoid breathing mists or vapors. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Observe good industrial hygiene practices.
- Storage** Keep container tightly closed and in a well-ventilated place. Store in closed original container at room temperature. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

Components	Value
Cuprous Oxide (1317-39-17)	
STEL	Not Available
TWA	Not available
Magnesium Silicate (14807-96-6)	
STEL	Not Available
TWA	Not Available
High Flash Naphtha (64742-94-5)	
STEL	150 ppm
TWA	100 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Cuprous Oxide	PEL	Not Available

Magnesium Silicate	PEL	5 mg/M3
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High Flash Naphtha	PEL	25 ppm
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Engineering controls	Ensure adequate ventilation, especially in confined areas. Must control air contamination to their exposure limits.
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Personal protective equipment

Eye / face protection	Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.
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Skin protection	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
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Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.
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General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Liquid.
Color	Marine Black, Royal Blue, Admiral Green and Regatta Red.
Odor	Pleasant.
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	Not Applicable
Melting point	Not Applicable.
Freezing point	Not Applicable.
Boiling point	244 °F
Flash point	Over 100 °F.
Evaporation rate	Faster than water.
Flammability limits in air, lower,	1.4
Vapor Pressure	Unknown
Vapor density	Heavier than air
Specific gravity	1.95-2.03
Solubility (water)	Not Soluble.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with flames and high heat.
Incompatible materials	Strong acids and alkalis.
Hazardous decomposition products	- Copper, Carbon and Silicon Oxides

Possibility of hazardous reactions - Hazardous decomposition will not occur

11. Toxicological Information

Toxicological data

Components	Test	Results
Cuprous Oxide	Acute Oral	LD50 470 mg/Kg
High Flash Naphtha	Acute Dermal	LD50 >3100 mg/Kg
	Acute Oral	LD50 >2900 mg/Kg
Magnesium Silicate	Acute Oral	LD50 10,000 mg/Kg

Acute effects

Routes of Exposure - Eye contact, skin contact, inhalation and ingestion

Eye Contact - eye irritation

Skin Contact - skin irritation

Inhalation - irritating to respiratory system

Ingestion - irritating to digestive tract

Chronic effects - Unknown

Carcinogenicity - This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

12. Ecological Information

Ecotoxicological data

Components	Test Results
Cuprous Oxide	- Can effect health of marine animals and algae

Ecotoxicity - Can be harmful to aquatic organisms.

Persistence and degradability - Unknown

Bioaccumulation / Accumulation - Unknown

Partition coefficient (n-octanol/water) - Unknown

Mobility in environmental media - No ecotoxicity known or available

13. Disposal Considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings and disposal procedures.

14. Transport Information

UN Number - UN1263

UN Proper Shipping Name - PAINT

**Transport Hazard Classes **

DOT (Domestic Surface Transportation - Proper Shipping Name - PAINT

DOT Hazard Class - 3

UN/NA Number - UN1263

UN Packing Group - III

IMO/IMDG (Ocean Transportation)

IMDG Shipping Name - PAINT

IMDG Hazard Class - 3, Sub Class - 3

IMDG Packing Group - III, System Reference Code - 1

Environmental Hazards

IMDG - Marine Pollutant - Yes, contains a copper compound

Special Precautions for User - Not Regulated

Transport in bulk according to Annex II of MARPOL 7378 and the IBC Code

Not Applicable

15. Regulatory Information

US federal regulations

This product is hazardous according to OSHA 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

US TSCA Section 12(b) Export Notification: For exportation, please follow directions provided by the Federal EPA on Export of Registered Pesticides.

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) - Not controlled

State regulations

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Note: This product is registered with the Environmental Protection Agency for sale in the United States. For sale outside the United States and its' Territories, please contact Blue Water Marine for advice.

16. Other Information

HMIS® ratings

Health: 1

Flammability 2

Physical hazard: 1

NFPA ratings

Health: 1

Flammability: 2

Instability: 1

Disclaimer

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Blue Water Marine assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Blue Water Marine assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Issue date

10-17-2019