BLUE WATER®
MARINE PAINT

SAFETY DATA SHEET

1. Product and Company Identification

Material name	**Bottom Protect 70 Base**
Version #	01
Revision date	10-30-2019
Product code	**7009(Gray), 7001 (White)**
Product use	Marine Anticorrosive Epoxy Primer
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 inside outside USA & Canada
1-703-741-5970

2. Hazards Identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Carc. 2	H351
STOT RE 2	H373
Aquatic Acute 2	H401
Aquatic Chronic 2	H411

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :

GHS07 GHS08 GHS09

Signal word (GHS-US) : **Warning**

Hazard statements (GHS-US) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H401 - Toxic to aquatic life
H411 - 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
P260 - Do not breathe dust, fume, mist, spray, vapours
P261 - Avoid breathing dust, fume, gas, mist, spray, vapours

P264 - Wash hands, forearms and face thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P273 - Avoid release to the environment
P280 - Wear eye protection, protective gloves, protective clothing
P302+P352 - If on skin: Wash with plenty of soap and water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - If exposed or concerned: Get medical advice/attention
P314 - Get medical advice/attention if you feel unwell
P321 - Specific treatment (see first aid instructions on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P362+P364 - Take off contaminated clothing and wash it before reuse
P391 - Collect spillage
P405 - Store locked up
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

3. Composition / Information on Ingredients

Components	CAS #	Percent
Base Component		
Epoxy Resin	25068-38-6	<18.0%
Magnesium Silicate	14807-96-6	>35.0%
High Flash Naphtha	64742-94-5	<10.0%
Titanium Dioxide	13463-67-7	<7.0%
Methyl n-Amyl Ketone	110-43-0	>4.0%

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, call911 or an ambulance then give artificial respiration, preferably mouth to mouth if possible. 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

Suitable extinguishing media - Water, water fog, foam, dry chemical, carbon dioxide

Firefighting equipment/instructions. - Self-contained breathing apparatus and full protective clothing

Hazardous combustion products - Carbon, Nitrogen and Silicon oxides.

6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation. Wear suitable protective clothing. See Section 8 of the MSDS 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

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components

Base Component		
Epoxy Resin (25068-38-6)	STEL TWA	Not Available Not available
Magnesium Silicate (14807-96-6)	STEL TWA	Not Available 10 mg/M3
High Flash Naphtha (64742-94-5)	STEL TWA	150 ppm 100 ppm
Methyl n-Amyl Ketone	STEL TWA	Not Available 50 ppm
Titanium Dioxide (13463-67-7)	STEL TWA	Not Available 10 mg/M3
Activator Xomponent		
Modified Polyamide Resin (proprietary)	STEL TWA	Not Available Not Available
Butanol (71-36-3)	STEL TWA	100 ppm 100 ppm

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

Components	Type	
Base Component		
Epoxy Resin	PEL	Not Available
Magnesium Silicate	PEL	5 mg/M3
High Flash Naphtha	PEL	25 ppm
Methyl n-Amyl Ketone	PEL	100 ppm
Titanium Dioxide	PEL	15 mg/M3
Modified Polyamide Resin	PEL	Not Available
Butanol	PEL	300 ppm

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

Skin protection Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

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.

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, Two Components.
Color	White and Gray.
Odor	Pleasant.
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	Not Applicable
Melting point	Not Applicable.
Freezing point	Not Applicable.
Boiling point	305 °F
Flash point	Over 100 °F.
Evaporation rate	Faster than water.
Flammability limits in air, upper, % by volume	
Flammability limits in air, lower,	0.8 % by volume
Vapor Pressure	Unknown
Vapor density	Heavier than air
Specific gravity	Base Component - 1.45, Activator - 0.85.
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 - Carbon, Nitrogen and Silicon Oxides

Possibility of hazardous reactions - Hazardous decomposition will not occur

11. Toxicological Information

Toxicological data

Components	Test	Results
Base Component		
Epoxy Resin	Acute Data	Not Available
Titanium Dioxide	Acute Data	Not Available
High Flash Naphtha	Acute Dermal	LD50 >3100 mg/Kg
	Acute Oral	LD50 >2900 mg/Kg
Methyl n-Amyl Ketone	Acute Oral	LD50 - 1600 mg/Kg
	Acute Dermal	LD50 - >2000 mg/Kg
Magnesium Silicate	Acute Oral	LD50 10,000 mg/Kg
Activator Component		
Modified Polyamide Resin	Acute Data	Not Available
Butanol	Acute Oral	LD50 - 790 mg/Kg
	Acute Dermal	LD50 - 3000 mg/Kg

Acute effects Causes skin and eye irritation. Mist or vapor irritating to eyes and respiratory and digestive tracts.

Local effects

US ACGIH Threshold Limit Values: Skin designation **-** Can be absorbed through skin.

Sensitization **Base Component -** This component has a low potential to cause allergic skin reactions.

Cure Component - Potential sensitizer

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

12. Ecological Information

Ecotoxicological data

Product	Test Results

Components	Test Results

Epoxy and Polyamide Resins - Will not effect health of marine animals and algae

Magnesium Silicate - No data available

Titanium Dioxide - No data available

Ecotoxicity - Not expected **to 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

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.

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

State regulations This product does not contain any chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS® ratings

Health: 2
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

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