

W-MARINE PLUS 1200 BLUE MONOCOMPONENT



Safety Data Sheet

According to ABNT NBR 14725: 2023
Issue date: 4/25/2025 Revision date: 5/13/2025 Version: 2.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : W-MARINE PLUS 1200 BLUE MONOCOMPONENT
Product code : 10003967
Type of product : Paint
Product group : Trade product

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Coating providing surfaces with protection, waterproofing, finishing and resistance, etc.

1.4. Supplier's details

WEG TINTAS LTDA - GRUPO WEG

Guaramirim - Santa Catarina / Brasil

Rodovia BR 280 – Km 50, 6.918 – Bloco A. Caixa D'Água – 89270-000 - +55 (47) 3276-4000

Mauá - São Paulo / Brasil

Rua Dr. Ulysses Guimarães, nº 918 – Bloco A. Loteamento Industrial Coral 09372-050 – Fone: +55 (11) 4547-6100

Cabo de Santo Agostinho - Pernambuco / Brasil

Via VII, 314 Distrito Industrial DIPER – 54590-000 - Fone: +55 (81) 3512-3000

Betim - Minas Gerais / Brasil

Avenida Juiz Marco Tulio Isaac, 2994 Betim Industrial – 32671-198, Fone: +55 (31) 3268-0687 / +55 (31) 3268-0686

Macaé - Rio de Janeiro / Brasil

Rua Itacolomi, 528 – Quadra H – Lote 11 Cabiúnas – 27977-340

Atotonilco de Tula - Estado de Hidalgo / México

Av. Hidalgo, lote 40, 41, 42 y 43 - Parque Industrial Bicentenario, CP 42980 - Fone: +52 (55) 5321-4231

Buenos Aires - Provincia de Buenos Aires / Argentina

Av. José Melián, 2983 - Parque Industrial Burzaco, B1852 - Fone: +54 (11) 4299-8000

1.5. Emergency phone number

Emergency number :

24-HOUR EMERGENCY - AMBIPAR	0800 117 2020		
CHEMTREC international number	+1-703-527-3887 e 1-800-424-9300		
Country	City	Local Number	Toll-Free Number
Austria	Vienna	+43-1-3649237	
Austria			0800 293702
China		400 120 4937	
France		+33-975181407	
Germany			0800-181-7059

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

India	Bangalore	+91 8071 279 207	
India			000 800 1007 141
Italy	Milan	+39-02 4555 7031	
Italy			800 789 767
Netherlands		+31-85 888 0596	
Russia			8(800)100-63-46
South Africa			080-001-4676
United Kingdom	London	+44 20 3807 3798	
South korea			080-880-0454
Japan			0800-300-5842

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725: 2023)

Flammable liquids, Category 3
Acute toxicity (oral), Category 2
Acute toxicity (inhalation:dust,mist) Category 4
Skin corrosion/irritation, Category 3
Serious eye damage/eye irritation, Category 1
Skin sensitisation, Category 1
Germ cell mutagenicity, Category 1B
Carcinogenicity, Category 1B
Reproductive toxicity, Category 2
Aspiration hazard, Category 1
Hazardous to the aquatic environment - Acute Hazard, Category 1
Hazardous to the aquatic environment - Chronic Hazard, Category 1

2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H226 - Flammable liquid and vapour
H300 - Fatal if swallowed
H304 - May be fatal if swallowed and enters airways
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H340 - May cause genetic defects.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (GHS BR) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof equipment.

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
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 .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 or attention.
P310 - Immediately call a POISON CENTER or a doctor.
P312 - Call a POISON CENTER or a doctor if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P331 - Do NOT induce vomiting.
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
ROSIN (N)	CAS-No.: 8050-09-7	20 – 40	Skin Sens. 1, H317
Light aromatic naphtha (petroleum) solvent	CAS-No.: 64742-95-6	10 – 20	Flam. Liq. 3, H226 Acute Tox. 5 (Dermal), H313 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
CUPROUS OXIDE	CAS-No.: 1317-39-1	10 – 20	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
			Aquatic Acute 1, H400 Aquatic Chronic 1, H410
PIRITIONATO DE COBRE	CAS-No.: 14915-37-8	5 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Acute Tox. 2 (Inhalation:dust,mist), H330 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TRIPHENYL PHOSPHATE ISOPROPYLLATED	CAS-No.: 68937-41-7	1 – 5	Repr. 2, H361 STOT RE 2, H373 Aquatic Chronic 1, H410
MONOMER PROPYLENE GLYCOL ETHER FENI	CAS-No.: 770-35-4	1 – 5	Eye Irrit. 2, H319
SOLVENT METHYLISOBUTYLKETONE	CAS-No.: 108-10-1	1 – 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319 STOT SE 3, H335
ZINC OXIDE	CAS-No.: 1314-13-2	1 – 5	Acute Tox. 5 (Dermal), H313 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TRIPHENYL PHOSPHATE	CAS-No.: 115-86-6	1 – 5	Acute Tox. 5 (Oral), H303 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
SOLVENT BUTANOL	CAS-No.: 71-36-3	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335
DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE	CAS-No.: 64359-81-5	0.25 – 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1A, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CUPRIC OXIDE	CAS-No.: 1317-38-0	0.25 – 0.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. People with over sensibility problems are not allowed to work or be exposed to the product.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Be careful, the product may remain trapped under clothing, footwear or a wrist-watch. If skin irritation or rash occurs: Get medical

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

- advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk.

4.2. Most important symptoms and effects, acute and delayed

- Symptoms/effects : Swallowing this material will result in serious health hazard, potentially leading to collapse and death. Harmful if inhaled. May cause an allergic skin reaction. Causes serious eye damage. May be fatal if swallowed and enters airways.
- Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
- Symptoms/effects after skin contact : Causes mild skin irritation. Itching. Cracking of the skin. Prolonged or repeated contact may cause skin to become dry. Causes severe burns. irritation (itching, redness, blistering).
- Symptoms/effects after eye contact : stinging. Redness. Causes serious eye damage. redness, itching, tears.
- Symptoms/effects after ingestion : Fatal if swallowed. Abdominal pain, nausea. Blood in vomit. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Risk of lung oedema.
- Chronic symptoms : May cause cancer. May cause heritable genetic damage. Suspected of damaging fertility. Suspected of damaging the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed, if necessary

- Notes to physician : Treat symptomatically

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapour. The vapours are denser than air and may travel along the ground. Distance ignition possible. Agitation can cause build up of electrostatic charge. Vapours may cause fire/explosion if source of ignition is present. In case of fire and/or explosion do not breathe fumes.
- Explosion hazard : Vapours may form explosive mixture with air. Prolonged exposure to fire may cause containers to rupture/explode.

5.3. Special protective actions for fire-fighters

- Precautionary measures fire : Keep container closed when not in use. This product is not to be used under conditions of poor ventilation.
- Firefighting instructions : Get the package away from the fire if this can be done without risk. Fight fire from a safe distance or use hoses with support or cannon engine. Cool laterally with water containers exposed to flames, even after the fire is extinguished. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.
- Other information : On exposure to high temperature, may decompose, releasing toxic gases. In case of fire, corrosive and harmful gases come free.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate every possible source of ignition. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Avoid contact with skin and eyes. May be harmful to aquatic organisms, to flora, to soil organisms. Clean up any

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5/15

W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

spills as soon as possible, using an absorbent material to collect it. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : No flames, no sparks. Eliminate all sources of ignition. Do not touch or walk on the spilled product. Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Notify fire brigade and environmental authorities.

6.1.2. For emergency responders

Protective equipment : Use self-contained breathing apparatus and chemically protective clothing. Gloves. Wear security glasses which protect from splashes. Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection.
Emergency procedures : Keep away from combustible material. All equipment used when handling the product must be grounded. Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Very toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment. Very toxic to aquatic life. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Prevent dispersion by moistening spill with water or foam. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Absorb spilled material with sand or earth. Absorb spillage to prevent material damage. Clear up rapidly by scoop or vacuum. Clean contaminated surfaces with an excess of water. Take up liquid spill into absorbent material.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Flammable vapours may accumulate in the container.
Precautions for safe handling : Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle carefully. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear personal protective equipment. Obtain special instructions before use. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. When heated, material emits highly irritating vapours, affecting the eyes. Ensure good ventilation of the work station. Keep only in original container. Do not handle until all safety precautions have been read and understood.
Hygiene measures : Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ensure adequate ventilation, especially in confined areas. Store locked up. Store in tightly closed, leak-proof containers.
Storage conditions : Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight.

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10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

Incompatible materials : combustible materials.
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ZINC OXIDE 1314-13-2	
USA - ACGIH - Occupational Exposure Limits	
Local name	Zinc oxide
ACGIH® TLV® TWA	2 mg/m ³ (R - Respirable particulate matter)
ACGIH® TLV® STEL	10 mg/m ³ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Zinc oxide
OSHA PEL TWA	5 mg/m ³ (Fume) 15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
TRIPHENYL PHOSPHATE 115-86-6	
USA - ACGIH - Occupational Exposure Limits	
Local name	Triphenyl phosphate
ACGIH® TLV® TWA	3 mg/m ³
Remark (ACGIH)	TLV® Basis: Cholinesterase inhib. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Triphenyl phosphate
OSHA PEL TWA	3 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
SOLVENT BUTANOL 71-36-3	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butanol
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	n-Butyl alcohol
OSHA PEL TWA	300 mg/m ³ 100 ppm

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

SOLVENT BUTANOL 71-36-3	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
SOLVENT METHYLISOBUTYLKETONE 108-10-1	
USA - ACGIH - Occupational Exposure Limits	
Local name	Methyl isobutyl ketone
ACGIH® TLV® TWA	20 ppm
ACGIH® TLV® STEL	75 ppm
Remark (ACGIH)	TLV® Basis: URT irr; dizziness; headache. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Hexone (Methyl isobutyl ketone)
OSHA PEL TWA	410 mg/m ³ 100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Nitrile rubber gloves. Protective gloves made of PVC

Eye protection:

Wear closed safety glasses

Skin and body protection:

Long sleeved protective clothing. Or chemical resistant apron. Safety shoes

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Personal protective equipment symbol(s):



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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Blue
Odour	: characteristic
Odour threshold	: Not available
pH	: Not applicable
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 31 °C
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: Not available
Density	: 1.8 – 1.9 g/cm ³
Solubility	: Material insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 80 – 100 ku/kg
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle specific surface area	: Not applicable

PIRITIONATO DE COBRE14915-37-8

Auto-ignition temperature	> 400 °C
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ZINC OXIDE1314-13-2

Vapour pressure	0 mm Hg Source: HSDB
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SOLVENT BUTANOL71-36-3

Flash point	36 °C
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Light aromatic naphtha (petroleum) solvent64742-95-6

Boiling point	165.5 (156 – 175) °C
Flash point	40 °C
Vapour pressure	≤ 240 kPa Temp.: 37,8 °C

SOLVENT METHYLISOBUTYLKETONE108-10-1

Boiling point	116 °C (CHEMSAFE)
Flash point	16 °C

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

9.2. Data relevant with regard to physical hazard classes

No additional information available

9.3. Further safety characteristics

No additional information available

SECTION 10: Stability and reactivity

Chemical stability	: In use may form flammable/explosive vapour-air mixture.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. High temperature. Avoid formation of vapours.
Hazardous decomposition products	: May liberate toxic gases. On exposure to high temperature, may decompose, releasing corrosive gases.
Incompatible materials	: Combustible materials.
Possibility of hazardous reactions	: Liquids/vapours may ignite or react with other materials.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Handling temperature	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Fatal if swallowed.
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

W-MARINE PLUS 1200 BLUE MONOCOMPONENT

ATE BR (oral)	19.81 mg/kg bodyweight
ATE BR (dust,mist)	1.137 mg/l/4h

PIRITIONATO DE COBRE (14915-37-8)

LD50 oral rat	1.075 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	0.07 mg/l

ZINC OXIDE (1314-13-2)

LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5700 mg/m ³ Source: ECHA

TRIPHENYL PHOSPHATE (115-86-6)

LD50 oral rat	3500 mg/kg
LD50 dermal rat	> 7900 mg/kg

Light aromatic naphtha (petroleum) solvent (64742-95-6)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

Light aromatic naphtha (petroleum) solvent (64742-95-6)

LC50 Inhalation - Rat (Vapours)	5.16 mg/l Source: ECHA
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Skin corrosion/irritation : Causes mild skin irritation.
pH: Not applicable

CUPRIC OXIDE (1317-38-0)

pH	7
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PIRITIONATO DE COBRE (14915-37-8)

pH	5 – 7
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ZINC OXIDE (1314-13-2)

pH	6.95 Source: HSDB
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SOLVENT METHYLISOBUTYLKETONE (108-10-1)

pH	8
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Serious eye damage/irritation : Causes serious eye damage.
pH: Not applicable

CUPRIC OXIDE (1317-38-0)

pH	7
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PIRITIONATO DE COBRE (14915-37-8)

pH	5 – 7
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ZINC OXIDE (1314-13-2)

pH	6.95 Source: HSDB
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SOLVENT METHYLISOBUTYLKETONE (108-10-1)

pH	8
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Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : May cause genetic defects.
Carcinogenicity : May cause cancer.

SOLVENT METHYLISOBUTYLKETONE (108-10-1)

IARC group	2B - Possibly carcinogenic to humans
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Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : Not available

SOLVENT BUTANOL (71-36-3)

STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
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SOLVENT METHYLISOBUTYLKETONE (108-10-1)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not available

ZINC OXIDE (1314-13-2)

LOAEL (dermal, rat/rabbit, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
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NOAEL (oral, rat, 90 days)	31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
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STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

TRIPHENYL PHOSPHATE ISOPROPYLLATED (68937-41-7)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic	1.272 – 1.678 mm ² /s
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Light aromatic naphtha (petroleum) solvent (64742-95-6)

Viscosity, kinematic	< 1 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)'
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11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Swallowing this material will result in serious health hazard, potentially leading to collapse and death. Harmful if inhaled. May cause an allergic skin reaction. Causes serious eye damage. May be fatal if swallowed and enters airways.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

Symptoms/effects after skin contact : Causes mild skin irritation. Itching. Cracking of the skin. Prolonged or repeated contact may cause skin to become dry. Causes severe burns. irritation (itching, redness, blistering).

Symptoms/effects after eye contact : stinging. Redness. Causes serious eye damage. redness, itching, tears.

Symptoms/effects after ingestion : Fatal if swallowed. Abdominal pain, nausea. Blood in vomit. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Risk of lung oedema.

Chronic symptoms : May cause cancer. May cause heritable genetic damage. Suspected of damaging fertility. Suspected of damaging the unborn child.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

PIRITIONATO DE COBRE14915-37-8

LC50 - Fish [1]	0.0043 mg/l
EC50 - Crustacea [1]	0.022 mg/l
ErC50 algae	0.0012 mg/l
NOEC chronic algae	0.00046 mg/l

TRIPHENYL PHOSPHATE ISOPROPYLLATED68937-41-7

NOEC chronic fish	0.0031 mg/l
NOEC chronic crustacea	0.00415 mg/l

TRIPHENYL PHOSPHATE115-86-6

LC50 - Fish [1]	0.7 (0.3 – 290) mg/l
EC50 - Crustacea [1]	1 mg/l

Light aromatic naphtha (petroleum) solvent64742-95-6

LC50 - Fish [1]	9.22 mg/l Source: IUCLID
EC50 - Crustacea [1]	6.14 mg/l Source: IUCLID
EC50 72h - Algae [1]	19 mg/l Source: IUCLID

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

12.2. Persistence and degradability

W-MARINE PLUS 1200 BLUE MONOCOMPONENT	
Persistence and degradability	Not rapidly degradable
DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE64359-81-5	
Persistence and degradability	Not rapidly degradable
MONOMER PROPYLENE GLYCOL ETHER FENI770-35-4	
Persistence and degradability	Not rapidly degradable
CUPROUS OXIDE1317-39-1	
Persistence and degradability	Not rapidly degradable
CUPRIC OXIDE1317-38-0	
Persistence and degradability	Not rapidly degradable
PIRITIONATO DE COBRE14915-37-8	
Persistence and degradability	Not rapidly degradable
ZINC OXIDE1314-13-2	
Persistence and degradability	Not rapidly degradable
TRIPHENYL PHOSPHATE ISOPROPYLLATED68937-41-7	
Persistence and degradability	Not rapidly degradable
TRIPHENYL PHOSPHATE115-86-6	
Persistence and degradability	Not rapidly degradable
SOLVENT BUTANOL71-36-3	
Persistence and degradability	Not rapidly degradable
Light aromatic naphtha (petroleum) solvent64742-95-6	
Persistence and degradability	Not rapidly degradable
SOLVENT METHYLISOBUTYLKETONE108-10-1	
Persistence and degradability	Not rapidly degradable
ROSIN (N)8050-09-7	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

PIRITIONATO DE COBRE14915-37-8	
Partition coefficient n-octanol/water (Log Pow)	2.44
Light aromatic naphtha (petroleum) solvent64742-95-6	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Hazardous to the ozone layer : Not available

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

Other adverse effects : May cause pH changes in aqueous ecological systems. Before neutralisation, the product may represent a danger to aquatic organisms.

SECTION 13: Disposal considerations

Regional waste regulation : Law No. 12.305 on the National Policy on Solid Waste Management, 02 August 2010.
Waste treatment methods : Must follow special treatment according to local regulation.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Flammable vapours may accumulate in the container. Do not re-use empty containers.

SECTION 14: Transport information

14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

ANTT	IMDG	IATA
UN number		
1263	1263	1263
UN Proper Shipping Name		
TINTA	PAINT	Paint
Transport document description		
Not applicable	UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (31°C c.c.)	UN 1263 Paint, 3, III, ENVIRONMENTALLY HAZARDOUS
Transport hazard class(es)		
3	3	3
Danger labels		
3	3	3
		
Subsidiary risk		
Not applicable	Not applicable	Not applicable
Risk Number		
30	Not applicable	Not applicable
Packing group		
III	III	III
Special provisions		
163,223,367	163,223,367,955	A3,A72,A192
Dangerous for the environment		
Yes	Yes	Yes

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W-MARINE PLUS 1200 BLUE MONOCOMPONENT

10003967

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/13/2025

14.2 Other informations

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations : Standard ABNT NBR 14725.
Federal Decree no. 10.088, of 5 November 2019 – Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.
Ministerial Order no. 2.770, of 5 September 2022 – Approves the new wording of Regulatory Standard No. 26
Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials
Resolution no. 5998, of November 3, 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

SECTION 16: Other information

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF - Bioconcentration factor
EC50 - Median effective concentration
LC50 - Median lethal concentration
VOC - Volatile Organic Compounds
LD50 - Median lethal dose
DMEL - Derived Minimal Effect level
DNEL - Derived-No Effect Level
COD - Chemical oxygen demand (COD)
ATE - Acute Toxicity Estimate
IMDG - International Maritime Dangerous Goods
IATA - International Air Transport Association
EC-No. - European Community number
vPvB - Very Persistent and Very Bioaccumulative
WGK - Water Hazard Class
IOELV - Indicative Occupational Exposure Limit Value
BLV - Biological limit value
TRGS - Technical Rules for Hazardous Substances
TLM - Median Tolerance Limit
IARC - International Agency for Research on Cancer

Important information, but not specifically described in the previous sections: This MSDS was prepared based on current knowledge about the handling of the product under normal conditions of use, according to the application specified on the packaging and recommended usage in Section 1 of this MSDS. Any other use of the product involving its combination with other materials, as well as forms of use different from those indicated, are the user's responsibility. The company advises that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace it is responsibility of the company user of the product to provide training of its employees and contractors about the possible risks arising from exposure to the chemical. We reserve the right to change the information contained in this document without prior notice, due to the improvement and continuous evolution of the product and technical knowledge.

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