

W-OCEANO PLUS BLACK 00000 MONOCOMPONENT

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 6/7/2023 Revision date: 2/20/2026 Version: 6.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : W-OCEANO PLUS BLACK 00000 MONOCOMPONENT
Product code : 16532088
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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16532088

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Revision date: 2/20/2026

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India			000 800 1007 141
Italy	Milan	+39-02 4555 7031	
Italy			800 789 767
Netherlands		+31-85 888 0596	
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 (dermal), Category 5
Acute toxicity (inhalation:dust,mist) Category 4
Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 1
Skin sensitisation, Category 1
Germ cell mutagenicity, Category 1B
Carcinogenicity, Category 1B
Reproductive toxicity, Category 2
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Specific target organ toxicity — Repeated exposure, 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
H304 - May be fatal if swallowed and enters airways
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H340 - May cause genetic defects.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure.
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.

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16532088

Safety Data Sheet

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Revision date: 2/20/2026

P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe dust, fume, gas, mist, vapours or spray.
P264 - Wash hands, forearms and face thoroughly after handling.
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.
P314 - Get medical advice or attention as appropriate.
P321 - Specific treatment (see supplemental first aid instruction on this label).
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+P233 - Store in a well-ventilated place. Keep container tightly closed.
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	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50%	CAS-No.: 1330-20-7	20 – 40	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304

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W-OCEANO PLUS BLACK 00000 MONOCOMPONENT

16532088

Safety Data Sheet

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Revision date: 2/20/2026

Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
			Aquatic Acute 2, H401 Aquatic Chronic 3, H412
ROSIN (N)	CAS-No.: 8050-09-7	10 – 20	Acute Tox. 5 (Dermal), H313 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM	CAS-No.: 64742-95-6	10 – 20	Flam. Liq. 3, H226 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
ALUMINIUM SILICATE	CAS-No.: 1327-36-2	5 – 10	Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Inhalation:dust,mist), H332
CUPROUS OXIDE	CAS-No.: 1317-39-1	5 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TRIPHENYL PHOSPHATE ISOPROPYLLATED	CAS-No.: 68937-41-7	1 – 5	Acute Tox. 5 (Oral), H303 Repr. 2, H361 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 1, H410
MONOMER PROPYLENE GLYCOL ETHER FENI	CAS-No.: 770-35-4	1 – 5	Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:vapour), H331 Eye Irrit. 2, H319
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
4-brome-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	CAS-No.: 122454-29-9	1 – 5	Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
SOLVENT METHYLISOBUTYLKETONE	CAS-No.: 108-10-1	1 – 5	Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Eye Irrit. 2, H319 Carc. 2, H351

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16532088

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Revision date: 2/20/2026

Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
			STOT SE 3, H336
DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE	CAS-No.: 64359-81-5	0.5 – 1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1A, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CUPRIC OXIDE	CAS-No.: 1317-38-0	0.1 – 0.25	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 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. Give oxygen or artificial respiration if necessary.
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 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	: Do not induce vomiting/risk of damage to lungs exceeds poisoning risk.

4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause headache, nausea and irritation of respiratory tract. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: May be harmful in contact with skin. Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: stinging. Redness. Causes serious eye damage. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive 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
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Dry chemical, CO2, or water spray or regular foam.
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16532088

Safety Data Sheet

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Revision date: 2/20/2026

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 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. 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. Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Absorb spilled material with sand or earth. Clean contaminated surfaces with an excess of water. Clear up rapidly by scoop or vacuum. Absorb spillage to prevent material damage. Take up

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W-OCEANO PLUS BLACK 00000 MONOCOMPONENT

16532088

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

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 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

Storage conditions

: Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight.

Incompatible materials

: combustible materials.

Packaging materials

: Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SOLVENT METHYLISOBUTYLKETONE 108-10-1

USA - OSHA - Occupational Exposure Limits

Local name	Hexone (Methyl isobutyl ketone)
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OSHA PEL TWA	410 mg/m ³
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	100 ppm
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Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
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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:

Protective gloves made of PVC. Nitrile rubber gloves

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7/18

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16532088

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

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):



SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: brown
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	: 1.64 – 1.74 g/cm³
Solubility	: Material insoluble in water. Water: 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 – 90 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

4-brome-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile122454-29-9

Boiling point	450.6 °C at 760 mmHg Source: Lookchem
Flash point	226.3 °C Source: Lookchem

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16532088

Safety Data Sheet

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Revision date: 2/20/2026

4-bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile122454-29-9

Vapour pressure	0.000000026 mm Hg at 25°C Source: ChemSrc
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DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE64359-81-5

Flash point	148.9 °C Source: Lookchem
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Vapour pressure	0.000098 Pa at 25°C Source: NCIS
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MONOMER PROPYLENE GLYCOL ETHER FENI770-35-4

Boiling point	242.7 °C Source: ChemIDplus
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Flash point	115 °C Source: ECHA
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Auto-ignition temperature	480 °C Source: ECHA
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Vapour pressure	0.01 hPa at 20 °C Source: ECHA
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ZINC OXIDE1314-13-2

Vapour pressure	0 mm Hg Source: HSDB
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CUPRIC OXIDE1317-38-0

Boiling point	1026 °C Source: HSDB
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SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM64742-95-6

Boiling point	135 – 210 °C Source: NLM
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Flash point	< 41 °C Source: IUCLID
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Vapour pressure	8 hPa at 20°C Source: IUCLID
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SOLVENT METHYLISOBUTYLKETONE108-10-1

Boiling point	116.5 °C Source: CHemIDplus
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Flash point	14 °C Source: ICSC
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Auto-ignition temperature	460 °C Source: ICSC
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Vapour pressure	2.1 kPa at 20°C Source: ICSC
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ROSIN (N)8050-09-7

Flash point	180 – 188 °C
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REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50%1330-20-7

Boiling point	138 °C Source: ICSC
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Flash point	30 °C (ASTM D 93)
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Auto-ignition temperature	≥ 528 °C Source: SRC
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Vapour pressure	8.84 mm Hg at 25°C Source: SRC
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TRIPHENYL PHOSPHATE ISOPROPYLLATED68937-41-7

Boiling point	220 – 270 °C Source: International Uniform ChemicalL Information Database
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16532088

Safety Data Sheet

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Revision date: 2/20/2026

TRIPHENYL PHOSPHATE ISOPROPYLLATED68937-41-7

Flash point	199 °C Source: International Uniform Chemical Information Database
Auto-ignition temperature	551 °C Source: International Uniform Chemical Information Database
Vapour pressure	0.000013 Pa at 0 Source: International Uniform Chemical Information Database

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	: Materiais plásticos solúveis em Xileno. Não armazenar com materiais explosivos, gases inflamáveis e/ou tóxicos, substâncias oxidantes, corrosivas e materiais que possam. 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)	: Not available
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

W-OCEANO PLUS BLACK 00000 MONOCOMPONENT

ATE BR (dermal)	2191.03 mg/kg bodyweight
ATE BR (dust,mist)	2.809 mg/l/4h

4-bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile (122454-29-9)

LC50 Inhalation - Rat (Dust/Mist)	0.77 mg/l
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DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE (64359-81-5)

LD50 oral rat	756 mg/kg Source: NCIS
LD50 dermal rabbit	680 mg/kg Source: NCIS
LC50 Inhalation - Rat	0.29 mg/kg Source: NCIS, NITE

MONOMER PROPYLENE GLYCOL ETHER FENI (770-35-4)

LD50 oral rat	> 2000 mg/kg Source: OECD Screening Information Data Set
LD50 dermal rabbit	2000 mg/kg Source: OECD Screening Information Data Set
LC50 Inhalation - Rat	> 5.4 mg/kg Source: OECD Screening Information Data Set

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16532088

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

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
CUPROUS OXIDE (1317-39-1)	
LD50 oral rat	1340 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	3.34 mg/l
CUPRIC OXIDE (1317-38-0)	
LD50 oral rat	> 2500 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 2000 mg/kg
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM (64742-95-6)	
LD50 oral rat	8400 mg/kg Source: RTECS
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Vapours)	5.16 mg/l Source: ECHA
SOLVENT METHYLISOBUTYLKETONE (108-10-1)	
LD50 oral rat	2080 mg/kg Source: ECHA
LD50 dermal rabbit	≥ 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	11.6 mg/l Source: ECHA
ROSIN (N) (8050-09-7)	
LD50 oral rat	7800 mg/kg Source: IUCLID
LD50 dermal rabbit	2500 mg/kg
LC50 Inhalation - Rat	2.3 mg/l
REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50% (1330-20-7)	
LD50 oral rat	3523 mg/kg Source: ECHA
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male
LC50 Inhalation - Rat [ppm]	5922 ppm
ALUMINIUM SILICATE (1327-36-2)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rabbit	> 5000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 2.07 mg/l Source: ECHA
TRIPHENYL PHOSPHATE ISOPROPYLLATED (68937-41-7)	
LD50 oral rat	5000 mg/kg Source: International Uniform Chemical Information Database
LC50 Inhalation - Rat	> 50 mg/kg Source: International Uniform Chemical Information Database

Skin corrosion/irritation

: Causes skin irritation.

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16532088

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

pH: Not applicable

4-brome-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile (122454-29-9)

pH	5.16
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ZINC OXIDE (1314-13-2)

pH	6.95 Source: HSDB
----	-------------------

CUPRIC OXIDE (1317-38-0)

pH	7 Source: GESTIS
----	------------------

SOLVENT METHYLISOBUTYLKETONE (108-10-1)

pH	8
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REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50% (1330-20-7)

pH	7
----	---

ALUMINIUM SILICATE (1327-36-2)

pH	4 – 8 Source: GESTIS
----	----------------------

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

4-brome-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile (122454-29-9)

pH	5.16
----	------

ZINC OXIDE (1314-13-2)

pH	6.95 Source: HSDB
----	-------------------

CUPRIC OXIDE (1317-38-0)

pH	7 Source: GESTIS
----	------------------

SOLVENT METHYLISOBUTYLKETONE (108-10-1)

pH	8
----	---

REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50% (1330-20-7)

pH	7
----	---

ALUMINIUM SILICATE (1327-36-2)

pH	4 – 8 Source: GESTIS
----	----------------------

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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REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50% (1330-20-7)

IARC group	3 - Not classifiable
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Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : May cause respiratory irritation.

SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM (64742-95-6)

STOT-single exposure	May cause respiratory irritation.
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16532088

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

SOLVENT METHYLISOBUTYLKETONE (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness.
REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50% (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
4-bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile (122454-29-9)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
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)
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)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50% (1330-20-7)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
TRIPHENYL PHOSPHATE ISOPROPYLLATED (68937-41-7)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
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Viscosity, kinematic	1.389 – 1.657 mm ² /s
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM (64742-95-6)	
Viscosity, kinematic	< 1 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)'
REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50% (1330-20-7)	
Viscosity, kinematic	≈ 0.76 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'

11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause headache, nausea and irritation of respiratory tract. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: May be harmful in contact with skin. Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: stinging. Redness. Causes serious eye damage. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive 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.

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Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

SECTION 12: Ecological information

12.1. Toxicity

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

4-bromo-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile122454-29-9

LC50 - Fish [1]	0.0013 mg/l
EC50 - Crustacea [1]	0.51 mg/l
EC50 72h - Algae [1]	2 mg/l

DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE64359-81-5

LC50 - Fish [1]	0.0027 mg/l
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MONOMER PROPYLENE GLYCOL ETHER FENI770-35-4

LC50 - Fish [1]	> 215 mg/l Source: OECD Screening Information Data Set
EC50 72h - Algae [1]	> 125 mg/l Source: OECD Screening Information Data Set

CUPRIC OXIDE1317-38-0

EC50 - Crustacea [1]	0.0926 mg/l Source: ECHA
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SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM64742-95-6

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

SOLVENT METHYLISOBUTYLKETONE108-10-1

LC50 - Fish [1]	672 mg/l Source: ECHA
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ROSIN (N)8050-09-7

EC50 - Crustacea [1]	4.5 mg/l
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REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50%1330-20-7

LC50 - Fish [1]	2.6 mg/l Source: ECHA
EC50 - Crustacea [1]	3.4 mg/l Test organisms (species): Ceriodaphnia dubia
ErC50 algae	2.2 mg/l
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'

ALUMINIUM SILICATE1327-36-2

LC50 - Fish [1]	10000 mg/l Source: ECHA
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TRIPHENYL PHOSPHATE ISOPROPYLLATED68937-41-7

LC50 - Fish [1]	1.15 mg/l Source: International Uniform Chemical Information Database
EC50 - Crustacea [1]	14 mg/l Source: International Uniform Chemical Information Database
NOEC chronic fish	0.0031 mg/l

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Revision date: 2/20/2026

TRIPHENYL PHOSPHATE ISOPROPYLLATED68937-41-7

NOEC chronic crustacea	0.00415 mg/l
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12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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4-brome-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile122454-29-9

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
-------------------------------	------------------------

ZINC OXIDE1314-13-2

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

CUPROUS OXIDE1317-39-1

Persistence and degradability	Not rapidly degradable
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CUPRIC OXIDE1317-38-0

Persistence and degradability	Not rapidly degradable
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SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM64742-95-6

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
-------------------------------	------------------------

REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50%1330-20-7

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

ALUMINIUM SILICATE1327-36-2

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

TRIPHENYL PHOSPHATE ISOPROPYLLATED68937-41-7

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

12.3. Bioaccumulative potential

4-brome-2-(4-chlorophenyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile122454-29-9

Partition coefficient n-octanol/water (Log Pow)	498808 Source: ChemSrc
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DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE64359-81-5

Partition coefficient n-octanol/water (Log Pow)	5325 Source: GESTIS
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MONOMER PROPYLENE GLYCOL ETHER FENI770-35-4

Partition coefficient n-octanol/water (Log Pow)	1.52 Source: ChemIDplus
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Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM64742-95-6

Partition coefficient n-octanol/water (Log Pow) 2.1 – 6 Source: IUCLID

SOLVENT METHYLISOBUTYLKETONE108-10-1

Partition coefficient n-octanol/water (Log Pow) 1.31 Source: ChemIDPlus

REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50%1330-20-7

Partition coefficient n-octanol/water (Log Pow) 3.15 Source: HSDB

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Hazardous to the ozone layer

: Not available

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

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
Transport hazard class(es)		
3	3	3
Danger labels		
3	3	3
		

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16/18

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Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

		
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

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 03 November 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.
Law No. 12.305, of August 2, 2010 (National Policy on Solid Waste)

SECTION 16: Other information

Abbreviations and acronyms

: CAS-No. - Chemical Abstracts 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

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16532088

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/20/2026

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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