

# W-POLI HPD 45 1 R SAFETY BLUE MUNSELL 2,5PB 4/10 COMPONENT A



## Safety Data Sheet

According to ABNT NBR 14725: 2023  
Issue date: 4/25/2025 Revision date: 5/28/2025 Version: 2.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : W-POLI HPD 45 1 R SAFETY BLUE MUNSELL 2,5PB 4/10 COMPONENT A  
Product code : 15632061  
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 for maintenance sector

#### 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 :

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

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Germany			0800-181-7059
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  
Skin corrosion/irritation, Category 3  
Skin sensitisation, Category 1  
Germ cell mutagenicity, Category 1B  
Carcinogenicity, Category 1B  
Hazardous to the aquatic environment - Acute Hazard, Category 2  
Hazardous to the aquatic environment - Chronic Hazard, Category 2

### 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  
H316 - Causes mild skin irritation  
H317 - May cause an allergic skin reaction  
H340 - May cause genetic defects.  
H350 - May cause cancer.  
H411 - 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.  
P242 - Use non-sparking tools.  
P243 - Take action to prevent static discharges.  
P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.  
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.

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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 or attention.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
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)
2-methoxy-1-methylethyl acetate	CAS-No.: 108-65-6	5 – 10	Flam. Liq. 3, H226 Acute Tox. 5 (Dermal), H313
12-HYDROXYOCTADECANOIC ACID, REACTION PRODUCTS WITH 1,3-BENZENEDIMETHANAMINE AND HEXAMETHYLENEDIAMINE	CAS-No.: 220926-97-6	1 – 5	Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 4, H413
n-butyl acetate	CAS-No.: 123-86-4	1 – 5	Flam. Liq. 3, H226 STOT SE 3, H336 Aquatic Acute 3, H402
Light aromatic naphtha (petroleum) solvent	CAS-No.: 64742-95-6	1 – 5	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
FUMARIC ACID DIETHYL ESTER	CAS-No.: 623-91-6	1 – 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335
trizinc bis(orthophosphate)	CAS-No.: 7779-90-0	1 – 5	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Zeolite, silica rich, crystalline, synthetic, non-fibrous	CAS-No.: 1318-02-1	1 – 5	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313

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Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE	CAS-No.: 41556-26-7	0.5 – 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
METIL AND 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE	CAS-No.: 82919-37-7	0.25 – 0.5	Skin Sens. 1, H317 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.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth out with water.

### 4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects	: May cause an allergic skin reaction.
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: May cause eye irritation. stinging. Redness.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: May cause cancer. May cause heritable genetic damage.

### 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.
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.
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- 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.

## 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. 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. Toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment. 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 : Absorb spilled material with sand or earth. 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. 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 get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. Ensure good ventilation of the work station. Keep only in original container. Do

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Hygiene measures : not handle until all safety precautions have been read and understood.  
: 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.  
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

n-butyl acetate 123-86-4	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butyl acetate
ACGIH® TLV® TWA	50 ppm
ACGIH® TLV® STEL	150 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	n-Butyl-acetate
OSHA PEL TWA	710 mg/m <sup>3</sup>
	150 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.3. Individual protection measures

#### Personal protective equipment:

Wear recommended personal protective equipment.

<b>Hand protection:</b>
Nitrile rubber gloves

<b>Eye protection:</b>
Wear closed safety glasses

<b>Skin and body protection:</b>
Chemical resistant safety shoes. Long sleeved protective clothing. Or chemical resistant apron

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### 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	: Blue
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 60 °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	: 1.3 – 1.4 g/cm <sup>3</sup>
Solubility	: Material insoluble in water. Water: Soluble 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	: 95 – 105 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

### 2-methoxy-1-methylethyl acetate 108-65-6

Boiling point	145.8 °C Atm. press.: 760 mm Hg Decomposition: 'no'
Flash point	45.5 °C Atm. press.: 101,3 kPa
Auto-ignition temperature	315 °C Source: International Uniform Chemical Information Database
Vapour pressure	3.75 mm Hg Source: National Institute of Technology and Evaluation

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

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

### n-butyl acetate 123-86-4

Boiling point	126.2 °C Atm. press.: 1013 hPa
Flash point	27 °C Atm. press.: 1013 hPa

## 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.
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)	: Not available
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Not available

### 2-methoxy-1-methylethyl acetate (108-65-6)

LD50 oral rat	8532 mg/kg Source: International Uniform Chemical Information Database
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5000 mg/kg Source: International Uniform Chemical Information Database

### 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
LC50 Inhalation - Rat (Vapours)	5.16 mg/l Source: ECHA

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### trizinc bis(orthophosphate) (7779-90-0)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 5700 mg/m <sup>3</sup> Source: ECHA

### Zeolite, silica rich, crystalline, synthetic, non-fibrous (1318-02-1)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 3.35 mg/kg Source: Echa

Skin corrosion/irritation : Causes mild skin irritation.

### n-butyl acetate (123-86-4)

pH	6.2 Temp.: 20 °C Concentration: 5,3 g/L
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Serious eye damage/irritation : Not available

### n-butyl acetate (123-86-4)

pH	6.2 Temp.: 20 °C Concentration: 5,3 g/L
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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.

### Zeolite, silica rich, crystalline, synthetic, non-fibrous (1318-02-1)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not available

STOT-single exposure : Not available

### n-butyl acetate (123-86-4)

STOT-single exposure	May cause drowsiness or dizziness.
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### FUMARIC ACID DIETHYL ESTER (623-91-6)

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

### 2-methoxy-1-methylethyl acetate (108-65-6)

NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
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### n-butyl acetate (123-86-4)

LOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
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NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
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### trizinc bis(orthophosphate) (7779-90-0)

LOAEL (oral, rat, 90 days)	53.8 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
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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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### trizinc bis(orthophosphate) (7779-90-0)

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not available

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Viscosity, kinematic : 2.049 – 2.439 mm<sup>2</sup>/s

### 2-methoxy-1-methylethyl acetate (108-65-6)

Viscosity, kinematic : 1.182 mm<sup>2</sup>/s

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

Viscosity, kinematic : < 1 mm<sup>2</sup>/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm<sup>2</sup>/s)'

### n-butyl acetate (123-86-4)

Viscosity, kinematic : 0.83 mm<sup>2</sup>/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm<sup>2</sup>/s)'

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

Symptoms/effects : May cause an allergic skin reaction.  
Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.  
Symptoms/effects after skin contact : Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.  
Symptoms/effects after eye contact : May cause eye irritation. stinging. Redness.  
Symptoms/effects after ingestion : May cause irritation to the digestive tract.  
Chronic symptoms : May cause cancer. May cause heritable genetic damage.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

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

### 2-methoxy-1-methylethyl acetate 108-65-6

LC50 - Fish [1] : > 100 mg/l Test organisms (species): Oryzias latipes

EC50 - Crustacea [1] : > 500 mg/l Test organisms (species): Daphnia magna

EC50 72h - Algae [1] : > 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

NOEC (chronic) : ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC chronic fish : 47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'

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

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

### n-butyl acetate 123-86-4

LC50 - Fish [1] : 18 mg/l Test organisms (species): Pimephales promelas

EC50 - Crustacea [1] : 44 mg/l Test organisms (species): Daphnia sp.

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<b>n-butyl acetate123-86-4</b>	
EC50 72h - Algae [1]	397 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	246 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

<b>trizinc bis(orthophosphate)7779-90-0</b>	
LC50 - Fish [1]	2 (0.14 – 2.6) mg/l
EC50 - Crustacea [1]	2.44 mg/l
EC50 72h - Algae [1]	0.14 mg/l

<b>Zeolite, silica rich, crystalline, synthetic, non-fibrous1318-02-1</b>	
LC50 - Fish [1]	1800 mg/l Source: International Uniform Chemical Information Database
EC50 - Crustacea [1]	1000 mg/l Source: International Uniform Chemical Information Database
EC50 96h - Algae [1]	560 mg/l Source: International Uniform Chemical Information Database
LOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 86.7 mg/l Test organisms (species): Pimephales promelas Duration: '30 d'

## 12.2. Persistence and degradability

<b>W-POLI HPD 45 1 R SAFETY BLUE MUNSELL 2,5PB 4/10 COMPONENT A</b>	
Persistence and degradability	Not rapidly degradable

<b>2-methoxy-1-methylethyl acetate108-65-6</b>	
Persistence and degradability	Not rapidly degradable

<b>BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE41556-26-7</b>	
Persistence and degradability	Not rapidly degradable

<b>METIL AND 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE82919-37-7</b>	
Persistence and degradability	Not rapidly degradable

<b>Light aromatic naphtha (petroleum) solvent64742-95-6</b>	
Persistence and degradability	Not rapidly degradable

<b>n-butyl acetate123-86-4</b>	
Persistence and degradability	Not rapidly degradable

<b>FUMARIC ACID DIETHYL ESTER623-91-6</b>	
Persistence and degradability	Not rapidly degradable

<b>trizinc bis(orthophosphate)7779-90-0</b>	
Persistence and degradability	Not rapidly degradable

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### Zeolite, silica rich, crystalline, synthetic, non-fibrous1318-02-1

Persistence and degradability Not rapidly degradable

### 12-HYDROXYOCTADECANOIC ACID, REACTION PRODUCTS WITH 1,3-BENZENEDIMETHANAMINE AND HEXAMETHYLENEDIAMINE220926-97-6

Persistence and degradability Not rapidly degradable

### 12.3. Bioaccumulative potential

#### 2-methoxy-1-methylethyl acetate108-65-6

Partition coefficient n-octanol/water (Log Pow) 0.43 Source: International Uniform Chemical Information Database

#### 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

## 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
<b>UN number</b>		
1263	1263	1263
<b>UN Proper Shipping Name</b>		
TINTA	PAINT	Paint
<b>Transport document description</b>		
Not applicable	UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (60°C c.c.)	UN 1263 Paint, 3, III, ENVIRONMENTALLY HAZARDOUS
<b>Transport hazard class(es)</b>		
3	3	3
<b>Danger labels</b>		
3	3	3

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<b>Subsidiary risk</b>		
Not applicable	Not applicable	Not applicable
<b>Risk Number</b>		
30	Not applicable	Not applicable
<b>Packing group</b>		
III	III	III
<b>Special provisions</b>		
163,223,367	163,223,367,955	A3,A72,A192
<b>Dangerous for the environment</b>		
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 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

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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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