

PU ENAMEL COSMETALLIC BRIGHT 00000 A COMPONENT

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 4/23/2025 Revision date: 1/29/2026 Version: 4.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : PU ENAMEL COSMETALLIC BRIGHT 00000 A COMPONENT
Product code : 13332792
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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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	
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
Skin corrosion/irritation, Category 2
Skin sensitisation, Category 1
Germ cell mutagenicity, Category 1B
Carcinogenicity, Category 1B
Specific target organ toxicity — Single exposure, Category 3, Narcosis
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 2
Hazardous to the aquatic environment - Chronic Hazard, Category 3

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
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H340 - May cause genetic defects.
H350 - May cause cancer.
H373 - May cause damage to organs through prolonged or repeated exposure.
H401 - Toxic to aquatic life
H412 - Harmful 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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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.
P308+P313 - IF exposed or concerned: Get medical advice or attention.
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.
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)
MIXED XYLENES	CAS-No.: 1330-20-7	10 – 20	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 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
n-butyl acetate	CAS-No.: 123-86-4	10 – 20	Flam. Liq. 3, H226 STOT SE 3, H336 Aquatic Acute 3, H402 Aquatic Chronic 3, H412

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Name	GHS Product identifier	Conc. (% w/w)	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 Aquatic Acute 3, H402
BUTYL ACETATE	CAS-No.: 123-86-4	5 – 10	Flam. Liq. 2, H225 STOT SE 3, H336 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
sec-butyl acetate	CAS-No.: 105-46-4	5 – 10	Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303
Nafta solvente (petróleo), aromático leve	CAS-No.: 64742-95-6	1 – 5	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
STYRENE MONOMER	CAS-No.: 100-42-5	1 – 5	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 Repr. 2, H361 STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
ISOBUTYL METHACRYLATE	CAS-No.: 97-86-9	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-ETHYLHEXYL ACRYLATE	CAS-No.: 103-11-7	1 – 5	Flam. Liq. 4, H227 Acute Tox. 5 (Oral), H303 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2-HYDROXYETHYL METACRILATE	CAS-No.: 868-77-9	1 – 5	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Aluminium	CAS-No.: 7429-90-5	0.25 – 0.5	Flam. Sol. 1, H228

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Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
			Pyr. Liq. 1, H250 Water-react. 2, H261 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
TERT-BUTYL PERBENZOATE	CAS-No.: 614-45-9	0.1 – 0.25	Flam. Liq. 4, H227 Self-react. C, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:vapour), H330 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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. Give oxygen or artificial respiration if necessary. 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 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/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. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing). Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
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	: May cause eye irritation. stinging. Redness.
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.

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.

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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.

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. Harmful 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 : 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. Absorb spillage to prevent material damage. Take up liquid spill into absorbent material.

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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 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. Remove contaminated clothes. 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

BUTYL ACETATE 123-86-4

USA - OSHA - Occupational Exposure Limits

Local name	n-Butyl-acetate
OSHA PEL TWA	710 mg/m ³
	150 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:

Protective gloves made of PVC. Nitrile rubber gloves

Eye protection:

Wear closed safety glasses

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Skin and body protection:

Chemical resistant safety shoes. Long sleeved protective clothing. Or chemical resistant apron

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	: Not available
Odour	: Not available
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	: 0.94 – 1.04 g/cm³
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	: 18 – 20 Seconds
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle specific surface area	: Not applicable

MIXED XYLENES1330-20-7

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

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Nafta solvente (petróleo), aromático leve64742-95-6

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

Aluminium7429-90-5

Boiling point	2327 °C Source: HSDB
Auto-ignition temperature	590 °C Source: ICSC
Vapour pressure	1 Temp.: 1284 °C

sec-butyl acetate105-46-4

Boiling point	112 °C Source: HSDB
Flash point	17 °C Source: ICSC
Vapour pressure	1.33 kPa at 20°C Source: ICSC

BUTYL ACETATE123-86-4

Boiling point	126.1 °C Source: HSDB
Flash point	22 °C Source: ICSC
Auto-ignition temperature	420 °C Source: ICSC
Vapour pressure	11.5 mm Hg at 25°C Source: hSDB

STYRENE MONOMER100-42-5

Boiling point	145 °C Source: ICSC
Flash point	31 °C Source: ICSC
Auto-ignition temperature	490 °C Source: ICSC
Vapour pressure	0.67 kPa at 20°C Source: ICSC

2-ETHYLHEXYL ACRYLATE103-11-7

Boiling point	213.5 °C Source: ICSC
Flash point	86 °C Source: HSDB
Auto-ignition temperature	252 °C Source: ICSC
Vapour pressure	0.178 mm Hg at 25 °C Source: ChemIDplus

ISOBUTYL METHACRYLATE97-86-9

Boiling point	155 °C Source: Corporate Solution From Thomson Micromedex
Flash point	49 °C Source: National Institute of Technology and Evaluation
Auto-ignition temperature	390 °C Source: International Chemical Safety Cards
Vapour pressure	3.63 mm Hg Source: Corporate Solution From Thomson Micromedex

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2-HYDROXYETHYL METACRILATE868-77-9

Boiling point	250 °C Source: ICSC
Flash point	97 °C Source: ICSC
Auto-ignition temperature	375 °C Source: ECHA
Vapour pressure	0.126 mm Hg at 25 °C Source: ChemIDplus

TERT-BUTYL PERBENZOATE614-45-9

Boiling point	75 – 76 °C
Flash point	93 °C Source: HSDS
Vapour pressure	0.33 mm Hg

n-butyl acetate123-86-4

Boiling point	126.2 °C Atm. press.: 1013 hPa
Flash point	27 °C Atm. press.: 1013 hPa
Auto-ignition temperature	420 °C Source: ICSC
Vapour pressure	11.5 mm Hg at 25°C Source: hSDB

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

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

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	: 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

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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) : Not available

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ATE BR (dermal)	4256.2 mg/kg bodyweight
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MIXED XYLENES (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

Nafta solvente (petróleo), aromático leve (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

Aluminium (7429-90-5)

LD50 oral rat	> 15900 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 0.888 mg/l Source: ECHA

sec-butyl acetate (105-46-4)

LD50 oral rat	3200 mg/kg Source: ChemIDplus
LC50 Inhalation - Rat [ppm]	24000 ppm Source: ChemIDplus

BUTYL ACETATE (123-86-4)

LD50 oral rat	3200 ml/kg Source: ECHA
LD50 dermal rabbit	> 17600 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	1802 mg/l Source: ECHA

STYRENE MONOMER (100-42-5)

LD50 oral rat	5000 mg/kg Source: ECHA
LD50 oral	> 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	11.8 mg/l Source: ECHA

2-ETHYLHEXYL ACRYLATE (103-11-7)

LD50 oral rat	4000 – 6000 mg/kg Source: OECD Screening Information Data Set
LD50 dermal rabbit	> 10000 mg/kg Source: OECD Screening Information Data Set

2-HYDROXYETHYL METACRILATE (868-77-9)

LD50 oral rat	> 4000 mg/kg Source: OECD Screening Information Data Set
LD50 dermal rabbit	> 3000 mg/kg Source: OECD Screening Information Data Set

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TERT-BUTYL PERBENZOATE (614-45-9)

LD50 oral rat 1012 mg/kg

LC50 Inhalation - Rat 1.01 g/m³

n-butyl acetate (123-86-4)

LD50 oral rat 3200 ml/kg Source: ECHA

LD50 dermal rabbit > 17600 mg/kg Source: ECHA

LC50 Inhalation - Rat (Vapours) 1802 mg/l Source: ECHA

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

Skin corrosion/irritation : Causes skin irritation.
pH: Not applicable

MIXED XYLENES (1330-20-7)

pH 7

BUTYL ACETATE (123-86-4)

pH 6.2 Source: ECHA

n-butyl acetate (123-86-4)

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

Serious eye damage/irritation : Not available
pH: Not applicable

MIXED XYLENES (1330-20-7)

pH 7

BUTYL ACETATE (123-86-4)

pH 6.2 Source: ECHA

n-butyl acetate (123-86-4)

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

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

MIXED XYLENES (1330-20-7)

IARC group 3 - Not classifiable

STYRENE MONOMER (100-42-5)

IARC group 2B - Possibly carcinogenic to humans

2-ETHYLHEXYL ACRYLATE (103-11-7)

IARC group 3 - Not classifiable

Aluminium (7429-90-5)

NOAEL (animal/male, F0/P) 1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity

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Aluminium (7429-90-5)	
	Screening Test)
Reproductive toxicity	: Not available
STOT-single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation.
MIXED XYLENES (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.
Nafta solvente (petróleo), aromático leve (64742-95-6)	
STOT-single exposure	May cause respiratory irritation.
BUTYL ACETATE (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
STYRENE MONOMER (100-42-5)	
STOT-single exposure	May cause respiratory irritation.
2-ETHYLHEXYL ACRYLATE (103-11-7)	
STOT-single exposure	May cause respiratory irritation.
ISOBUTYL METHACRYLATE (97-86-9)	
STOT-single exposure	May cause respiratory irritation.
n-butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
MIXED XYLENES (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.
Aluminium (7429-90-5)	
NOAEL (subchronic, oral, animal/male, 90 days)	1034 mg/kg bodyweight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	1087 mg/kg bodyweight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
STYRENE MONOMER (100-42-5)	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat
LOAEC (inhalation, rat, vapour, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
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)
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in

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n-butyl acetate (123-86-4)

Rodents)

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)

Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic

18 – 20 mm²/s

MIXED XYLENES (1330-20-7)

Viscosity, kinematic

≈ 0.76 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

Nafta solvente (petróleo), aromático leve (64742-95-6)

Viscosity, kinematic

< 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'

BUTYL ACETATE (123-86-4)

Viscosity, kinematic

0.841 mm²/s

STYRENE MONOMER (100-42-5)

Viscosity, kinematic

0.77 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'

2-ETHYLHEXYL ACRYLATE (103-11-7)

Viscosity, kinematic

1.966 mm²/s

n-butyl acetate (123-86-4)

Viscosity, kinematic

0.83 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

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

Viscosity, kinematic

1.182 mm²/s

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

Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing). Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
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	: May cause eye irritation. stinging. Redness.
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.

SECTION 12: Ecological information

12.1. Toxicity

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

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MIXED XYLENES1330-20-7

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'

Nafta solvente (petróleo), aromático leve64742-95-6

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

Aluminium7429-90-5

EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

BUTYL ACETATE123-86-4

LC50 - Fish [1]	18 mg/l Source: ECHA
EC50 - Crustacea [1]	44 mg/l Source: ECHA
EC50 72h - Algae [1]	335 mg/l Source: ECHA

STYRENE MONOMER100-42-5

LC50 - Fish [1]	10 mg/l Source: ECHA
EC50 - Crustacea [1]	4.7 mg/l Source: ECHA
EC50 72h - Algae [1]	4.9 mg/l Source: ECHA
EC50 96h - Algae [1]	6.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

2-ETHYLHEXYL ACRYLATE103-11-7

LC50 - Fish [1]	1.8 mg/l Source: OECD Screening Information Data Set
EC50 - Crustacea [1]	1.3 mg/l Source: OECD Screening Information Data Set
EC50 72h - Algae [1]	44 mg/l Source: International Uniform Chemical Information Database

ISOBUTYL METHACRYLATE97-86-9

LC50 - Fish [1]	20 mg/l Source: International Uniform Chemical Information Database
EC50 - Crustacea [1]	23 mg/l Source: International Uniform Chemical Information Database
EC50 96h - Algae [1]	0.29 mg/l Source: International Uniform Chemical Information Database

2-HYDROXYETHYL METACRYLATE868-77-9

LC50 - Fish [1]	> 100 mg/l Source: OECD Screening Information Data Set
EC50 - Crustacea [1]	380 mg/l Source: OECD Screening Information Data Set

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2-HYDROXYETHYL METACRILATE868-77-9

EC50 72h - Algae [1]	345 mg/l Source: OECD Screening Information Data Set
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TERT-BUTYL PERBENZOATE614-45-9

LC50 - Fish [1]	0.402 mg/l Source: ECOSAR
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EC50 - Crustacea [1]	11 mg/l
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ErC50 algae	0.8 mg/l
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NOEC chronic fish	0.101 mg/l
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NOEC chronic algae	0.44 mg/l
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n-butyl acetate123-86-4

LC50 - Fish [1]	18 mg/l Test organisms (species): Pimephales promelas
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EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
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EC50 72h - Algae [1]	397 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
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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'
----------------	--

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

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

EC50 - Crustacea [1]	500 mg/l Test organisms (species): Daphnia magna
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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'
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NOEC chronic fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
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12.2. Persistence and degradability

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

MIXED XYLENES1330-20-7

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

Nafta solvente (petróleo), aromático leve64742-95-6

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

Aluminium7429-90-5

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

sec-butyl acetate105-46-4

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

BUTYL ACETATE123-86-4

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

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STYRENE MONOMER100-42-5

Persistence and degradability	Not rapidly degradable
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2-ETHYLHEXYL ACRYLATE103-11-7

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

ISOBUTYL METHACRYLATE97-86-9

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

2-HYDROXYETHYL METACRILATE868-77-9

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

TERT-BUTYL PERBENZOATE614-45-9

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

n-butyl acetate123-86-4

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

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

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

12.3. Bioaccumulative potential

MIXED XYLENES1330-20-7

Partition coefficient n-octanol/water (Log Pow)	3.15 Source: HSDB
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Nafta solvente (petróleo), aromático leve64742-95-6

Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID
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sec-butyl acetate105-46-4

Partition coefficient n-octanol/water (Log Pow)	1.72 Source: HSDB
---	-------------------

BUTYL ACETATE123-86-4

Partition coefficient n-octanol/water (Log Pow)	1.78 Source: HSDB
---	-------------------

STYRENE MONOMER100-42-5

Partition coefficient n-octanol/water (Log Pow)	2.95 Source: HSDB,ChemIDplus
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2-ETHYLHEXYL ACRYLATE103-11-7

Partition coefficient n-octanol/water (Log Pow)	3.67 Source: ICSC
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ISOBUTYL METHACRYLATE97-86-9

Partition coefficient n-octanol/water (Log Pow)	2.95 Source: OECD Screening Information Data Set
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2-HYDROXYETHYL METACRILATE868-77-9

Partition coefficient n-octanol/water (Log Pow)	0.42 Source: ICSC
---	-------------------

TERT-BUTYL PERBENZOATE614-45-9

Partition coefficient n-octanol/water (Log Pow)	2.89
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n-butyl acetate123-86-4

Partition coefficient n-octanol/water (Log Pow)	1.78 Source: HSDB
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2-methoxy-1-methylethyl acetate108-65-6

Partition coefficient n-octanol/water (Log Pow)

0.43 Source: International Uniform Chemical Information Database

12.4. Mobility in soil

2-ETHYLHEXYL ACRYLATE103-11-7

Mobility in soil

54954

12.5. Other adverse effects

Hazardous to the ozone layer

: Not available

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 (31°C c.c.)	UN 1263 Paint, 3, III
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

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Special provisions		
163,223,367	163,223,367,955	A3,A72,A192
Dangerous for the environment		
No	No	No

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
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

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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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