

W-LACK HPD 15 2 GRAY RAL 7005 MONOCOMPONENT

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 4/28/2025 Revision date: 3/17/2026 Version: 3.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : W-LACK HPD 15 2 GRAY RAL 7005 MONOCOMPONENT
Product code : 17801770
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 industrial sector

1.4. Supplier's details

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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
Acute toxicity (inhalation:vapour) Category 4
Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 1
Germ cell mutagenicity, Category 1B
Carcinogenicity, Category 1B
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Specific target organ toxicity — Repeated exposure, Category 2
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
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
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
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.

Precautionary statements (GHS BR)

:

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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.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.
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).
P332+P313 - If skin irritation 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)
REACTION MASS OF ETHYLBENZENE (100-41-4)50% AND XYLENE (1330-20-7)50%	CAS-No.: 1330-20-7	40 – 50	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
SOLVENT ISOBUTHANOL	CAS-No.: 78-83-1	1 – 5	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335

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Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM	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
ALIPHATIC HYDROCARBON	CAS-No.: 64742-47-8	1 – 5	Flam. Liq. 3, H226 Acute Tox. 5 (Dermal), H313 Acute Tox. 3 (Inhalation:vapour), H331 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
SOLVENT BUTANOL	CAS-No.: 71-36-3	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 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
TOLUENE SOLVENT	CAS-No.: 108-88-3	1 – 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
ZINC OCTOATE	CAS-No.: 136-53-8	0.25 – 0.5	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Eye Irrit. 2, H319 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
2-ethylhexanoic acid, zirconium salt	CAS-No.: 22464-99-9	0.25 – 0.5	Acute Tox. 5 (Dermal), H313 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Cobalt bis(2-ethylhexanoate)	CAS-No.: 136-52-7	0.1 – 0.25	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Repr. 1B, H360 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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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.
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.
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. Rinse mouth out with water.

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. Causes serious eye damage. May cause respiratory irritation.
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).
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.
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.
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.

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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. 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. Collect leaking and spilled liquid in sealable containers as far as possible. Absorb spillage to prevent material damage. 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. 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. 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

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Incompatible materials : from sunlight.
Packaging materials : combustibile materials.
: Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TOLUENE SOLVENT 108-88-3

USA - OSHA - Occupational Exposure Limits

Local name	Toluene
OSHA PEL TWA	200 ppm
OSHA PEL C	300 ppm
Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	500 ppm 10 mins.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-2

SOLVENT ISOBUTHANOL 78-83-1

USA - OSHA - Occupational Exposure Limits

Local name	Isobutyl alcohol
OSHA PEL TWA	300 mg/m ³ 100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

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

8.3. Individual protection measures

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

Eye protection:

Wear closed safety glasses

Skin and body protection:

Safety shoes

Respiratory protection:

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

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Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Grey
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
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	: 0.919 – 1.12 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	: 70 – 80 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

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

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

SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM64742-95-6

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

SOLVENT BUTANOL71-36-3

Boiling point	117 °C Source: HSDB
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SOLVENT BUTANOL71-36-3

Flash point	29.9 °C Source: ICSC
Auto-ignition temperature	345 °C Source: ICSC
Vapour pressure	9.31 hPa at 20°C Source: ECHA

TOLUENE SOLVENT108-88-3

Boiling point	110.6 °C Source: HSDB
Flash point	4 °C Source: HSDB
Auto-ignition temperature	480 °C Source: HSDB
Vapour pressure	28.4 mm Hg at 25°C Source: HSDB

Cobalt bis(2-ethylhexanoate)136-52-7

Boiling point	90 °C 1 atm Source: ECHA
Flash point	23 – 55 °C Atm. press.: 1 atm
Vapour pressure	< 110 kPa Temp.: 20 °C

ALIPHATIC HYDROCARBON64742-47-8

Boiling point	146 – 299 °C Atm. press.: 101,325 kPa
Flash point	29 – 70 °C Atm. press.: 101,325 kPa
Auto-ignition temperature	236 °C Source: ICSC
Vapour pressure	1 – 3.7 kPa Temp.: 37,8 °C

2-ethylhexanoic acid, zirconium salt22464-99-9

Flash point	40 °C Source: ECHA
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ZINC OCTOATE136-53-8

Boiling point	200 °C Source: ECHA
Vapour pressure	0.000000127 mm Hg Source: EPISUITE

SOLVENT ISOBUTHANOL78-83-1

Boiling point	108 °C Source: ChemIDPlus
Flash point	28 °C Source: ECHA
Auto-ignition temperature	415 °C Source: ECHA
Vapour pressure	1.2 kPa at 20°C Source: CHemIDplus

9.2. Data relevant with regard to physical hazard classes

No additional information available

9.3. Further safety characteristics

No additional information available

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SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not available
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Inhalation:vapour: Harmful if inhaled.

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ATE BR (dermal)	2421.804 mg/kg bodyweight
ATE BR (vapours)	19.489 mg/l/4h

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

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 BUTANOL (71-36-3)

LD50 dermal rabbit	3430 mg/kg Source: ECHA
LC50 Inhalation - Rat [ppm]	8000 ppm Source: ECHA

TOLUENE SOLVENT (108-88-3)

LD50 oral rat	5580 mg/kg Source: ECHA
LD50 dermal rabbit	> 5000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	> 20 mg/l Source: ECHA

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/m³ Source: ECHA

Cobalt bis(2-ethylhexanoate) (136-52-7)

LD50 oral rat	3129 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425
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Cobalt bis(2-ethylhexanoate) (136-52-7)

	(Acute Oral Toxicity: Up-and-Down Procedure), 95% CL: 1750 - 5000
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 2000 mg/kg

ALIPHATIC HYDROCARBON (64742-47-8)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.28 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -
LC50 Inhalation - Rat (Dust/Mist)	> 5.2 mg/l Source: IUCLID

2-ethylhexanoic acid, zirconium salt (22464-99-9)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

ZINC OCTOATE (136-53-8)

LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 5.7 mg/l Source: ECHA

SOLVENT ISOBUTHANOL (78-83-1)

LD50 oral rat	2460 mg/kg Source: ECHA
LD50 dermal rabbit	2460 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	19.6 mg/l Source: ECHA

Skin corrosion/irritation : Causes skin irritation.

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

pH	7
----	---

Serious eye damage/irritation : Causes serious eye damage.

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

pH	7
----	---

Respiratory or skin sensitisation : Not available

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer.

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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TOLUENE SOLVENT (108-88-3)

IARC group	3 - Not classifiable
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ALIPHATIC HYDROCARBON (64742-47-8)

NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]
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Reproductive toxicity : Not available
STOT-single exposure : May cause respiratory irritation.

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

STOT-single exposure	May cause respiratory irritation.
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SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM (64742-95-6)

STOT-single exposure	May cause respiratory irritation.
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SOLVENT BUTANOL (71-36-3)

STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
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TOLUENE SOLVENT (108-88-3)

STOT-single exposure	May cause drowsiness or dizziness.
----------------------	------------------------------------

SOLVENT ISOBUTHANOL (78-83-1)

STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
----------------------	--

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.

TOLUENE SOLVENT (108-88-3)

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

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)
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.

Cobalt bis(2-ethylhexanoate) (136-52-7)

LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.31 mg/l air Animal: rat
NOAEL (oral, rat, 90 days)	3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

ALIPHATIC HYDROCARBON (64742-47-8)

NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

2-ethylhexanoic acid, zirconium salt (22464-99-9)

NOAEL (subchronic, oral, animal/male, 90 days)	180 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:
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2-ethylhexanoic acid, zirconium salt (22464-99-9)

NOAEL (subchronic, oral, animal/female, 90 days) 205 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:

Aspiration hazard : Not classified.

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Viscosity, kinematic 70 – 80 mm²/s

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

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

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

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

SOLVENT BUTANOL (71-36-3)

Viscosity, kinematic 3.684 mm²/s

SOLVENT ISOBUTHANOL (78-83-1)

Viscosity, kinematic 5 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. Harmful if inhaled. Causes serious eye damage. May cause respiratory irritation.

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).

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.

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.

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'

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

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SOLVENT BUTANOL71-36-3	
LC50 - Fish [1]	1376 mg/l Source: ECHA
EC50 - Crustacea [1]	1983 mg/l Source: ECHA
EC50 96h - Algae [1]	225 mg/l Source: ECHA
TOLUENE SOLVENT108-88-3	
LC50 - Fish [1]	5.5 mg/l Source: ECHA
EC50 - Crustacea [1]	3.78 mg/l Source: ECHA
trizinc bis(orthophosphate)7779-90-0	
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
Cobalt bis(2-ethylhexanoate)136-52-7	
LC50 - Fish [1]	1.512 mg/l Source: ECHA
EC50 - Crustacea [1]	5.89 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.654 mg/l Source: ECHA registration data
ALIPHATIC HYDROCARBON64742-47-8	
LC50 - Fish [1]	2.4 mg/l Source: ECOTOX
2-ethylhexanoic acid, zirconium salt22464-99-9	
LC50 - Fish [1]	100 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	0.17 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	49.3 mg/l Source: ECHA
LOEC (chronic)	63 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
ZINC OCTOATE136-53-8	
LC50 - Fish [1]	100 mg/l Source: ECHA
EC50 - Crustacea [1]	0.131 – 1.06 mg/l Source: ECHA
SOLVENT ISOBUTHANOL78-83-1	
LC50 - Fish [1]	1430 mg/l Source: ECHA
EC50 - Crustacea [1]	1100 mg/l Source: ECHA
EC50 72h - Algae [1]	593 mg/l Source: ECHA

12.2. Persistence and degradability

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

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SOLVENT BUTANOL71-36-3	
Persistence and degradability	Not rapidly degradable
TOLUENE SOLVENT108-88-3	
Persistence and degradability	Not rapidly degradable
trizinc bis(orthophosphate)7779-90-0	
Persistence and degradability	Not rapidly degradable
Cobalt bis(2-ethylhexanoate)136-52-7	
Persistence and degradability	Not rapidly degradable
ALIPHATIC HYDROCARBON64742-47-8	
Persistence and degradability	Not rapidly degradable
2-ethylhexanoic acid, zirconium salt22464-99-9	
Persistence and degradability	Not rapidly degradable
ZINC OCTOATE136-53-8	
Persistence and degradability	Not rapidly degradable
SOLVENT ISOBUTHANOL78-83-1	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

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
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROM64742-95-6	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID
SOLVENT BUTANOL71-36-3	
Partition coefficient n-octanol/water (Log Pow)	1 Source: ECHA
TOLUENE SOLVENT108-88-3	
Partition coefficient n-octanol/water (Log Pow)	2.73 Source: HSDB
Cobalt bis(2-ethylhexanoate)136-52-7	
Partition coefficient n-octanol/water (Log Pow)	2.96 Source: ECHA
ALIPHATIC HYDROCARBON64742-47-8	
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID
ZINC OCTOATE136-53-8	
Partition coefficient n-octanol/water (Log Pow)	5.7 Source: ECHA
SOLVENT ISOBUTHANOL78-83-1	
Partition coefficient n-octanol/water (Log Pow)	0.8 Source: ChemIDPlus

12.4. Mobility in soil

No additional information available

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

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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

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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