

W-LACK END 145 PES BLUE 40731 MONOCOMPONENT



Safety Data Sheet

According to ABNT NBR 14725: 2023
Issue date: 4/24/2026 Revision date: 4/24/2026 Version: 4.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : W-LACK END 145 PES BLUE 40731 MONOCOMPONENT
Product code : 19318436
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)

Acute toxicity (oral), Category 5
Acute toxicity (dermal), Category 5
Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 1
Germ cell mutagenicity, Category 1B
Carcinogenicity, Category 1A
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 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)

: H303+H313 - May be harmful if swallowed or in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
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.
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.
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.

2.3. Other hazards which do not result in classification

No additional information available

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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) |
|--|------------------------|---------------|---|
| CALCIUM CARBONATE | CAS-No.: 471-34-1 | 10 – 20 | Acute Tox. 5 (Oral), H303 |
| 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 |
| Light aromatic naphtha (petroleum) solvent | CAS-No.: 64742-95-6 | 5 – 10 | 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 |
| ZINC OXIDE | CAS-No.: 1314-13-2 | 5 – 10 | Acute Tox. 5 (Dermal), H313 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| HEAVY AROMATIC NAPHTA | CAS-No.: 64742-94-5 | 5 – 10 | Flam. Liq. 4, H227 Acute Tox. 5 (Dermal), H313 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Steam-cracked petroleum distillates | CAS-No.: 68477-39-4 | 1 – 5 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1A, H350 Repr. 2, H361 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 1, H410 |
| 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 |

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| Name | GHS Product identifier | Conc. (% w/w) | Classification according to GHS BR (ABNT NBR 14725: 2023) |
|--|------------------------|---------------|---|
| | | | STOT SE 3, H335 |
| 2-methylpropan-1-ol; iso-butanol | 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 |
| CUMENE | CAS-No.: 98-82-8 | 0.25 – 0.5 | Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Carc. 1B, H350 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| 2-ethylhexanoic acid, zirconium salt | CAS-No.: 22464-99-9 | 0.1 – 0.25 | Acute Tox. 5 (Dermal), H313 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] | CAS-No.: 64742-82-1 | 0.1 – 0.25 | Flam. Liq. 3, H226 Acute Tox. 5 (Dermal), H313 Muta. 1B, H340 Carc. 1B, H350 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |

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. 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. |
| First-aid measures after eye contact | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| First-aid measures after ingestion | : If you feel unwell, seek medical advice. |

4.2. Most important symptoms and effects, acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects | : May cause damage to organs through prolonged or repeated exposure. Causes serious eye damage. May cause respiratory irritation. |
| Symptoms/effects after inhalation | : 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 | : Causes serious eye damage. stinging. redness, itching, tears. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. Ingestion may cause nausea and vomiting. |
| Chronic symptoms | : May cause cancer. May cause heritable genetic damage. |

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

Notes to physician : Treat symptomatically

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : In case of fire and/or explosion do not breathe fumes.
Explosion hazard : No direct explosion hazard.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. 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 : In case of fire, corrosive and harmful gases come free.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : 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 : 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 : 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 : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Do not allow to enter drains or water courses. Toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : 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 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 | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Precautions for safe handling | : Do not get in eyes, on skin, or on clothing. 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. Wear personal protective equipment. 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. Protect from sunlight. Store in a well-ventilated place. Keep cool. |
| Packaging materials | : Always store product in container of same material as original container. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| CUMENE 98-82-8 | |
|---|--------------------------|
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Cumene |
| OSHA PEL TWA | 245 mg/m ³ |
| | 50 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 |

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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 | : 97 °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 | : 1.35 – 1.45 g/cm ³ |
| Solubility | : In water, material soluble. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| Viscosity, kinematic | : 70 – 75 CF4 |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle specific surface area | : Not applicable |

Light aromatic naphtha (petroleum) solvent64742-95-6

| | |
|-----------------|--------------------------|
| Boiling point | 135 – 210 °C Source: NLM |
| Flash point | < 41 °C Source: IUCLID |
| Vapour pressure | ≤ 240 kPa Temp.: 37,8 °C |

ZINC OXIDE1314-13-2

| | |
|-----------------|----------------------|
| Vapour pressure | 0 mm Hg Source: HSDB |
|-----------------|----------------------|

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 |

2-methylpropan-1-ol; iso-butanol78-83-1

| | |
|---------------------------|------------------------------|
| Boiling point | 108 °C Atm. press.: 1013 hPa |
| Flash point | 31 °C Atm. press.: 1013 hPa |
| Auto-ignition temperature | 415 °C Source: ECHA |
| Vapour pressure | < 16 hPa Temp.: 20 °C |

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 |

CUMENE98-82-8

| | |
|---------------------------|--------------------------------|
| Boiling point | 152 °C Source: HSDB |
| Flash point | 31 °C |
| Auto-ignition temperature | 420 °C |
| Vapour pressure | 4.5 mm Hg at 25°C Source: HSDB |

HEAVY AROMATIC NAPHTHA64742-94-5

| | |
|---------------------------|------------------------|
| Boiling point | 174 – 193 °C |
| Flash point | ≥ 62 °C Source: IUCLID |
| Auto-ignition temperature | 461 °C |
| Vapour pressure | 4100 Pa Temp.: 25 °C |

naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F)].64742-82-1

| | |
|-----------------|---------------------------------------|
| Boiling point | -20 – 260 °C Atm. press.: 101,325 kPa |
| Flash point | < -40 °C Atm. press.: 101,325 other: |
| Vapour pressure | ≤ 240 kPa Temp.: 37,8 °C |

2-ethylhexanoic acid, zirconium salt22464-99-9

| | |
|-------------|--------------------|
| Flash point | 40 °C Source: ECHA |
|-------------|--------------------|

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Steam-cracked petroleum distillates 68477-39-4

| | |
|-----------------|---|
| Boiling point | 145 – 300 °C at 1013 hPa Source: IUCLID |
| Vapour pressure | 2133 Pa Temp.: 20 °C |

9.2. Data relevant with regard to physical hazard classes

| | |
|--------------------|---------------|
| VOC Total (g/l) | : 358.59 g/l |
| VOC Total (lb/gal) | : 2.99 lb/gal |

9.3. Further safety characteristics

No additional information available

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Chemical stability | : Stable under normal conditions of use. |
| Conditions to avoid | : Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Hazardous decomposition products | : On exposure to high temperature, may decompose, releasing corrosive gases. |
| Incompatible materials | : No additional information available. |
| Possibility of hazardous reactions | : None under normal use. |
| 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) | : May be harmful if swallowed. |
| Acute toxicity (dermal) | : May be harmful in contact with skin. |
| Acute toxicity (inhalation) | : Not available |

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|-----------------|---------------------------|
| ATE BR (oral) | 4840.144 mg/kg bodyweight |
| ATE BR (dermal) | 4569.292 mg/kg bodyweight |

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 |

ZINC OXIDE (1314-13-2)

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

SOLVENT BUTANOL (71-36-3)

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

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| 2-methylpropan-1-ol; iso-butanol (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 |
| 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 |
| CUMENE (98-82-8) | |
| LD50 oral rat | 2910 mg/kg Source: HSDB |
| HEAVY AROMATIC NAPHTA (64742-94-5) | |
| LD50 oral rat | > 5000 mg/kg Source: IUCLID |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other: |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat (Dust/Mist) | > 0.59 mg/l Source: RTECS |
| CALCIUM CARBONATE (471-34-1) | |
| LD50 oral rat | 6450 mg/kg Source: International Uniform Chemical Information Database |
| LD50 dermal rat | > 2000 mg/kg Source: ECHA |
| LC50 Inhalation - Rat | 3 mg/m ³ Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) |
| LC50 Inhalation - Rat (Dust/Mist) | > 3 mg/l Source: ECHA |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] (64742-82-1) | |
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 3160 mg/kg 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) |
| Steam-cracked petroleum distillates (68477-39-4) | |
| LD50 oral rat | > 2000 mg/kg Source: IUCLID |
| LD50 dermal rat | > 2000 mg/kg Source: IUCLID |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity) |

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Steam-cracked petroleum distillates (68477-39-4)

| | |
|---------------------------------|--|
| LC50 Inhalation - Rat | Animal: rat, Guideline: EPA OTS 798.1150 (Acute inhalation toxicity) |
| LC50 Inhalation - Rat (Vapours) | 7.5 mg/l Source: IUCLID |

Skin corrosion/irritation : Causes skin irritation.

ZINC OXIDE (1314-13-2)

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

MIXED XYLENES (1330-20-7)

| | |
|----|---|
| pH | 7 |
|----|---|

CALCIUM CARBONATE (471-34-1)

| | |
|----|--------------------|
| pH | 8 – 9 Source: HSDB |
|----|--------------------|

Serious eye damage/irritation : Causes serious eye damage.

ZINC OXIDE (1314-13-2)

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

MIXED XYLENES (1330-20-7)

| | |
|----|---|
| pH | 7 |
|----|---|

CALCIUM CARBONATE (471-34-1)

| | |
|----|--------------------|
| pH | 8 – 9 Source: HSDB |
|----|--------------------|

Respiratory or skin sensitisation : Not available

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer.

MIXED XYLENES (1330-20-7)

| | |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

CUMENE (98-82-8)

| | |
|------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |
|------------|--------------------------------------|

HEAVY AROMATIC NAPHTA (64742-94-5)

| | |
|---------------------------|---|
| NOAEL (animal/male, F0/P) | 35 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
|---------------------------|---|

| | |
|-----------------------------|--|
| NOAEL (animal/female, F0/P) | 125 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
|-----------------------------|--|

Reproductive toxicity : Not available

STOT-single exposure : May cause respiratory irritation.

SOLVENT BUTANOL (71-36-3)

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

2-methylpropan-1-ol; iso-butanol (78-83-1)

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

MIXED XYLENES (1330-20-7)

| | |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

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CUMENE (98-82-8)

STOT-single exposure : May cause respiratory irritation.

Steam-cracked petroleum distillates (68477-39-4)

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.

ZINC OXIDE (1314-13-2)

LOAEL (dermal, rat/rabbit, 90 days) : 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

NOAEL (oral, rat, 90 days) : 31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

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

2-methylpropan-1-ol; iso-butanol (78-83-1)

NOAEL (oral, rat, 90 days) : > 1450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

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.

HEAVY AROMATIC NAPHTHA (64742-94-5)

LOAEC (inhalation, rat, vapour, 90 days) : 4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

NOAEC (inhalation, rat, vapour, 90 days) : 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

CALCIUM CARBONATE (471-34-1)

NOAEL (oral, rat, 90 days) : 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

NOAEC (inhalation, rat, dust/mist/fume, 90 days) : \geq 0.212 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] (64742-82-1)

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

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:

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

Steam-cracked petroleum distillates (68477-39-4)

NOAEC (inhalation, rat, vapour, 90 days) : 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

Aspiration hazard : Not classified.

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|---|--|
| Viscosity, kinematic | 280 – 300 mm ² /s |
| Light aromatic naphtha (petroleum) solvent (64742-95-6) | |
| Viscosity, kinematic | < 1 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)' |
| SOLVENT BUTANOL (71-36-3) | |
| Viscosity, kinematic | 3.684 mm ² /s |
| 2-methylpropan-1-ol; iso-butanol (78-83-1) | |
| Viscosity, kinematic | 3.87 mm ² /s |
| MIXED XYLENES (1330-20-7) | |
| Viscosity, kinematic | ≈ 0.76 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)' |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] (64742-82-1) | |
| Viscosity, kinematic | < 1 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)' |

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

| | |
|-------------------------------------|---|
| Symptoms/effects | : May cause damage to organs through prolonged or repeated exposure. Causes serious eye damage. May cause respiratory irritation. |
| Symptoms/effects after inhalation | : 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 | : Causes serious eye damage. stinging. redness, itching, tears. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. Ingestion may cause nausea and vomiting. |
| Chronic symptoms | : May cause cancer. May cause heritable genetic damage. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : Toxic 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) | : Toxic to aquatic life with long lasting effects. |

| Light aromatic naphtha (petroleum) solvent64742-95-6 | |
|--|---|
| LC50 - Fish [1] | 9.22 mg/l Source: IUCLID |
| EC50 - Crustacea [1] | 6.14 mg/l Source: IUCLID |
| EC50 72h - Algae [1] | 19 mg/l Source: IUCLID |
| 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 |
| 2-methylpropan-1-ol; iso-butanol78-83-1 | |
| LC50 - Fish [1] | 1430 mg/l Test organisms (species): Pimephales promelas |

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| 2-methylpropan-1-ol; iso-butanol78-83-1 | |
|---|--|
| EC50 - Crustacea [1] | 1100 mg/l Test organisms (species): Daphnia pulex |
| EC50 72h - Algae [1] | 593 mg/l Source: ECHA |
| NOEC (chronic) | 20 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| 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' |
| CUMENE98-82-8 | |
| LC50 - Fish [1] | 4.7 mg/l Source: ECHA |
| EC50 - Crustacea [1] | 2.14 mg/l Source: ECHA |
| ErC50 algae | 2.01 mg/l Source: ECHA |
| HEAVY AROMATIC NAPHTA64742-94-5 | |
| LC50 - Fish [1] | 0.58 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 0.76 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 2.9 mg/l Test organisms (species): other: |
| LC50 - Fish [2] | 6.1 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 72h - Algae [1] | 2.5 mg/l Source: IUCLID |
| CALCIUM CARBONATE471-34-1 | |
| LC50 - Fish [1] | > 56000 mg/l Source: ECOTOX |
| EC50 72h - Algae [1] | > 14 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 96h - Algae [1] | 22000 mg/l Source: Ecological Structure Activity Relationships |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F)].64742-82-1 | |
| LC50 - Other aquatic organisms [1] | 4.3 mg/l Source: IUCLID |
| 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' |

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| Steam-cracked petroleum distillates68477-39-4 | |
|--|--|
| LC50 - Fish [1] | 13.5 mg/l Source: IUCLID |
| EC50 - Crustacea [1] | 1.2 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 1.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

12.2. Persistence and degradability

| W-LACK END 145 PES BLUE 40731 MONOCOMPONENT | |
|---|------------------------|
| Persistence and degradability | Not rapidly degradable |
| Light aromatic naphtha (petroleum) solvent64742-95-6 | |
| Persistence and degradability | Not rapidly degradable |
| ZINC OXIDE1314-13-2 | |
| Persistence and degradability | Not rapidly degradable |
| SOLVENT BUTANOL71-36-3 | |
| Persistence and degradability | Not rapidly degradable |
| 2-methylpropan-1-ol; iso-butanol78-83-1 | |
| Persistence and degradability | Not rapidly degradable |
| MIXED XYLENES1330-20-7 | |
| Persistence and degradability | Not rapidly degradable |
| CUMENE98-82-8 | |
| Persistence and degradability | Not rapidly degradable |
| HEAVY AROMATIC NAPHTA64742-94-5 | |
| Persistence and degradability | Not rapidly degradable |
| CALCIUM CARBONATE471-34-1 | |
| Persistence and degradability | Not rapidly degradable |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F)].64742-82-1 | |
| Persistence and degradability | Not rapidly degradable |
| 2-ethylhexanoic acid, zirconium salt22464-99-9 | |
| Persistence and degradability | Not rapidly degradable |
| Steam-cracked petroleum distillates68477-39-4 | |
| Persistence and degradability | Not rapidly degradable |

12.3. Bioaccumulative potential

| Light aromatic naphtha (petroleum) solvent64742-95-6 | |
|---|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.1 – 6 Source: IUCLID |

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| SOLVENT BUTANOL71-36-3 | |
|---|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1 Source: ECHA |
| 2-methylpropan-1-ol; iso-butanol78-83-1 | |
| Partition coefficient n-octanol/water (Log Pow) | 0.8 Source: ChemIDPlus |
| MIXED XYLENES1330-20-7 | |
| Partition coefficient n-octanol/water (Log Pow) | 3.15 Source: HSDB |
| CUMENE98-82-8 | |
| Partition coefficient n-octanol/water (Log Pow) | 3.66 Source: HSDB |
| HEAVY AROMATIC NAPHTHA64742-94-5 | |
| Partition coefficient n-octanol/water (Log Pow) | 2.9 – 6.1 Source: IUCLID |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F)].64742-82-1 | |
| Partition coefficient n-octanol/water (Log Pow) | 2.1 – 6 Source: IUCLID |

12.4. Mobility in soil

| CALCIUM CARBONATE471-34-1 | |
|---------------------------|--|
| Mobility in soil | 4.971 Source: Quantitative Structure Activity Relation |

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 | : 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 | | |
| 3082 | 3082 | 3082 |
| UN Proper Shipping Name | | |
| SUBSTÂNCIA QUE APRESENTA RISCO PARA O MEIO AMBIENTE, LÍQUIDA, N.E. (ZINC OXIDE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE) | Environmentally hazardous substance, liquid, n.o.s. (ZINC OXIDE) |

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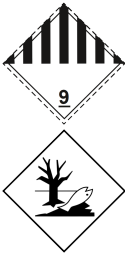
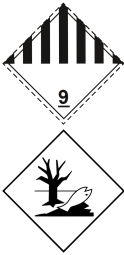

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| Transport document description | | |
|---|--|---|
| Not applicable | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (ZINC OXIDE), 9, III |
| Transport hazard class(es) | | |
| 9 | 9 | 9 |
| Danger labels | | |
| 9 | 9 | 9 |
|  |  |  |
| Subsidiary risk | | |
| Not applicable | Not applicable | Not applicable |
| Risk Number | | |
| 90 | Not applicable | Not applicable |
| Packing group | | |
| III | III | III |
| Special provisions | | |
| 274,331,335,375 | 274,335,375,969 | A97,A158,A197,A215 |
| Dangerous for the environment | | |
| Yes | Yes | Yes |

14.2 Other informations

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations

- : Standard ABNT NBR 14725.
- Federal Decree no. 10.088, of 5 November 2019 – Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.
- Ministerial Order no. 2.770, of 5 September 2022 – Approves the new wording of Regulatory Standard No. 26
- Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials
- Resolution no. 5998, of 03 November 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.
- Law No. 12.305, of August 2, 2010 (National Policy on Solid Waste)

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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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