

W-LACK NRD 134 PFD 1 BLACK 113879 A COMPONENT

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 1/26/2024 Revision date: 4/13/2026 Version: 10.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : W-LACK NRD 134 PFD 1 BLACK 113879 A COMPONENT
Product code : 13667459
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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Revision date: 4/13/2026

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
Serious eye damage/eye irritation, 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
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
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.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.

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Safety Data Sheet

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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)
MIXED XYLENES	CAS-No.: 1330-20-7	20 – 40	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Ethyl Alcohol, Anhydrous Alcohol, AEAC	CAS-No.: 64-17-5	10 – 20	Flam. Liq. 2, H225 Eye Irrit. 2, H319
ETHYL ACETATE	CAS-No.: 141-78-6	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

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Safety Data Sheet

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Revision date: 4/13/2026

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SOLVENT ACETATO DE ETILA	CAS-No.: 141-78-6	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
ISOPENTYL ACETATE	CAS-No.: 123-92-2	5 – 10	Flam. Liq. 3, H226 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
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
SOLVENT BUTYL GLYCOL (N)	CAS-No.: 111-76-2	1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Acute Tox. 4 (Inhalation), H332 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
CALCIUM CARBONATE	CAS-No.: 471-34-1	1 – 5	Acute Tox. 5 (Oral), H303
SOLVENT ISOPROPANOL	CAS-No.: 67-63-0	1 – 5	Flam. Liq. 3, H226 Eye Irrit. 2A, H319 STOT SE 3, H336
ZINC PHOSPHATE	CAS-No.: 7779-90-0	0.25 – 0.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
FATTY ACIDS	CAS-No.: 68647-95-0	0.1 – 0.25	Acute Tox. 5 (Oral), H303 Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT RE 2, H373 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
Nafta solvente (petróleo), aromático leve	CAS-No.: 64742-95-6	0.1 – 0.25	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

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W-LACK NRD 134 PFD 1 BLACK 113879 A COMPONENT

13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

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	: 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. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness.
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).
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	: In case of fire, corrosive and harmful gases come free.

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5/19

W-LACK NRD 134 PFD 1 BLACK 113879 A COMPONENT

13667459

Safety Data Sheet

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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. 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 from sunlight.

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Safety Data Sheet

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Revision date: 4/13/2026

Incompatible materials : combustible materials.
Packaging materials : Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SOLVENT ISOPROPANOL 67-63-0

USA - OSHA - Occupational Exposure Limits

Local name	Isopropyl alcohol
OSHA PEL TWA	980 mg/m ³
	400 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

ISOPENTYL ACETATE 123-92-2

USA - OSHA - Occupational Exposure Limits

Local name	Isomyl acetate
OSHA PEL TWA	525 mg/m ³
	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

SOLVENT ACETATO DE ETILA 141-78-6

USA - OSHA - Occupational Exposure Limits

Local name	Ethyl acetate
OSHA PEL TWA	1400 mg/m ³
	400 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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W-LACK NRD 134 PFD 1 BLACK 113879 A COMPONENT

13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

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	: Black
Odour	: characteristic
Odour threshold	: Not available
pH	: Not applicable
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 24 °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	: 1.06 – 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	: 90 – 120 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

SOLVENT ISOPROPANOL67-63-0

Boiling point	82.3 °C Source: HSDB
Flash point	23 °C Source: ECHA
Auto-ignition temperature	456 °C Source: ICSC
Vapour pressure	45.4 mm Hg at 25°C Source: HSDB

MIXED XYLENES1330-20-7

Boiling point	138 °C Source: ICSC
Flash point	30 °C (ASTM D 93)
Auto-ignition temperature	≥ 528 °C Source: SRC

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

MIXED XYLENES1330-20-7

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
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Flash point	< 41 °C Source: IUCLID
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Vapour pressure	8 hPa at 20°C Source: IUCLID
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SOLVENT BUTANOL71-36-3

Boiling point	117 °C Source: HSDB
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Flash point	29.9 °C Source: ICSC
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Auto-ignition temperature	345 °C Source: ICSC
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Vapour pressure	9.31 hPa at 20°C Source: ECHA
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ETHYL ACETATE141-78-6

Boiling point	77 °C Source: ICSC
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Flash point	-4 °C Source: ICSC
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Auto-ignition temperature	427 °C Source: ICSC
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Vapour pressure	93.2 mm Hg at 25°C Source: HSDB
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Ethyl Alcohol, Anhydrous Alcohol, AEAC64-17-5

Boiling point	78.5 °C Source: HSDB
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Flash point	13 °C Source: HSDB
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Auto-ignition temperature	400 °C Source: ICSC
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Vapour pressure	5.8 kPa at 20 °C Source: ICSC
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FATTY ACIDS68647-95-0

Flash point	121.5 °C Source: ECHA
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Cobalt bis(2-ethylhexanoate)136-52-7

Boiling point	90 °C 1 atm Source: ECHA
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Flash point	23 – 55 °C Atm. press.: 1 atm
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Vapour pressure	< 110 kPa Temp.: 20 °C
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ISOPENTYL ACETATE123-92-2

Boiling point	142 °C
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Flash point	25 °C Source: ECHA
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Auto-ignition temperature	379 °C Source: ECHA
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Vapour pressure	4.5 mm Hg at 20°C Source: ECHA
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Revision date: 4/13/2026

SOLVENT ACETATO DE ETILA141-78-6

Boiling point	77 °C Source: ICSC
Flash point	-4 °C Source: ICSC
Auto-ignition temperature	427 °C Source: ICSC
Vapour pressure	93.2 mm Hg at 25°C Source: HSDB

SOLVENT BUTYL GLYCOL (N)111-76-2

Boiling point	168.4 °C Source: HSDB
Flash point	63 °C Source: ECHA
Auto-ignition temperature	230 °C Source: ECHA
Vapour pressure	0.88 mm Hg at 25°C Source: hSDB

9.2. Data relevant with regard to physical hazard classes

No additional information available

9.3. Further safety characteristics

No additional information available

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not available
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not available

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ATE BR (dermal)	3845.007 mg/kg bodyweight
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SOLVENT ISOPROPANOL (67-63-0)

LD50 oral rat	5840 mg/kg Source: ECHA
LD50 dermal rabbit	12800 mg/kg Source: ECHA

MIXED XYLENES (1330-20-7)

LD50 oral rat	3523 mg/kg Source: ECHA
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MIXED XYLENES (1330-20-7)	
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
SOLVENT BUTANOL (71-36-3)	
LD50 dermal rabbit	3430 mg/kg Source: ECHA
LC50 Inhalation - Rat [ppm]	8000 ppm Source: ECHA
ETHYL ACETATE (141-78-6)	
LD50 oral rat	11.3 ml/kg Source: ECHA
Ethyl Alcohol, Anhydrous Alcohol, AEAC (64-17-5)	
LD50 oral rat	7060 mg/kg Source: ECHA
LD50 oral	8300 mg/kg bodyweight Animal: mouse
LC50 Inhalation - Rat (Vapours)	116.9 mg/l Source: ECHA
FATTY ACIDS (68647-95-0)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rabbit	> 5000 mg/kg Source: ECHA
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
Cobalt bis(2-ethylhexanoate) (136-52-7)	
LD50 oral rat	3129 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (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
ISOPENTYL ACETATE (123-92-2)	
LD50 dermal rabbit	> 5000 mg/kg Source: ChemIDPLUS
ZINC PHOSPHATE (7779-90-0)	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5700 mg/m ³ Source: ECHA

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

SOLVENT ACETATO DE ETILA (141-78-6)

LD50 oral rat	11.3 ml/kg Source: ECHA
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SOLVENT BUTYL GLYCOL (N) (111-76-2)

LD50 dermal rat	> 2000 mg/kg Source: ECHA
-----------------	---------------------------

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

MIXED XYLENES (1330-20-7)

pH	7
----	---

Ethyl Alcohol, Anhydrous Alcohol, AEAC (64-17-5)

pH	7 Source: chemicalbook
----	------------------------

CALCIUM CARBONATE (471-34-1)

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

ISOPENTYL ACETATE (123-92-2)

pH	Not applicable
----	----------------

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

MIXED XYLENES (1330-20-7)

pH	7
----	---

Ethyl Alcohol, Anhydrous Alcohol, AEAC (64-17-5)

pH	7 Source: chemicalbook
----	------------------------

CALCIUM CARBONATE (471-34-1)

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

ISOPENTYL ACETATE (123-92-2)

pH	Not applicable
----	----------------

Respiratory or skin sensitisation : Not available
Germ cell mutagenicity : May cause genetic defects.
Carcinogenicity : May cause cancer.

SOLVENT ISOPROPANOL (67-63-0)

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

MIXED XYLENES (1330-20-7)

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

Ethyl Alcohol, Anhydrous Alcohol, AEAC (64-17-5)

IARC group	1 - Carcinogenic to humans
------------	----------------------------

SOLVENT BUTYL GLYCOL (N) (111-76-2)

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

Reproductive toxicity : Not available
STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation.

SOLVENT ISOPROPANOL (67-63-0)

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

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

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.
----------------------	-----------------------------------

SOLVENT BUTANOL (71-36-3)

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

ETHYL ACETATE (141-78-6)

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

SOLVENT ACETATO DE ETILA (141-78-6)

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.
------------------------	--

Ethyl Alcohol, Anhydrous Alcohol, AEAC (64-17-5)

NOAEL (subchronic, oral, animal/male, 90 days)	< 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
--	--

NOAEL (subchronic, oral, animal/female, 90 days)	> 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
--	--

FATTY ACIDS (68647-95-0)

NOAEL (subchronic, oral, animal/male, 90 days)	12.5 mg/kg bodyweight
--	-----------------------

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

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)	≥ 0.212 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
--	--

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.
------------------------	---

Aspiration hazard : Not classified.

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Viscosity, kinematic	90 – 120 mm²/s
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SOLVENT ISOPROPANOL (67-63-0)

Viscosity, kinematic	2.692 mm²/s
----------------------	-------------

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W-LACK NRD 134 PFD 1 BLACK 113879 A COMPONENT

13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

MIXED XYLENES (1330-20-7)

Viscosity, kinematic $\approx 0.76 \text{ mm}^2/\text{s}$ Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

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

Viscosity, kinematic $< 1 \text{ mm}^2/\text{s}$ Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'

SOLVENT BUTANOL (71-36-3)

Viscosity, kinematic $3.684 \text{ mm}^2/\text{s}$

ETHYL ACETATE (141-78-6)

Viscosity, kinematic $0.494 \text{ mm}^2/\text{s}$

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. May cause drowsiness or dizziness.
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).
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.

SOLVENT ISOPROPANOL67-63-0

LC50 - Fish [1] 9640 mg/l Source: ECHA

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 $> 1.3 \text{ mg/l}$ 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

SOLVENT BUTANOL71-36-3

LC50 - Fish [1] 1376 mg/l Source: ECHA

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

SOLVENT BUTANOL71-36-3

EC50 - Crustacea [1] 1983 mg/l Source: ECHA

EC50 96h - Algae [1] 225 mg/l Source: ECHA

ETHYL ACETATE141-78-6

LC50 - Fish [1] 230 mg/l Source: ECHA

Ethyl Alcohol, Anhydrous Alcohol, AEAC64-17-5

LC50 - Fish [1] > 100 mg/l Source: SIDS 2005

ErC50 algae 275 mg/l Source: ECHA

NOEC (chronic) 9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d'

FATTY ACIDS68647-95-0

LC50 - Fish [1] 55 mg/l Source: ECHA

EC50 - Crustacea [1] 34.5 mg/l Source: ECHA

EC50 72h - Algae [1] 0.393 mg/l

NOEC chronic crustacea 0.013 mg/l

NOEC chronic algae 0.091 mg/l

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

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

ISOPENTYL ACETATE123-92-2

LC50 - Fish [1] 36 mg/l Source: ECHA

EC50 - Crustacea [1] 42 mg/l Source: ECHA

SOLVENT ACETATO DE ETILA141-78-6

LC50 - Fish [1] 230 mg/l Source: ECHA

SOLVENT BUTYL GLYCOL (N)111-76-2

LC50 - Fish [1] 1474 mg/l Source: ECHA

EC50 - Crustacea [1] 1800 mg/l Source: ECHA

EC50 72h - Algae [1] 911 mg/l Source: ECHA

12.2. Persistence and degradability

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Persistence and degradability Not rapidly degradable

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

SOLVENT ISOPROPANOL67-63-0	
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
SOLVENT BUTANOL71-36-3	
Persistence and degradability	Not rapidly degradable
ETHYL ACETATE141-78-6	
Persistence and degradability	Not rapidly degradable
Ethyl Alcohol, Anhydrous Alcohol, AEAC64-17-5	
Persistence and degradability	Not rapidly degradable
FATTY ACIDS68647-95-0	
Persistence and degradability	Not rapidly degradable
CALCIUM CARBONATE471-34-1	
Persistence and degradability	Not rapidly degradable
Cobalt bis(2-ethylhexanoate)136-52-7	
Persistence and degradability	Not rapidly degradable
ISOPENTYL ACETATE123-92-2	
Persistence and degradability	Not rapidly degradable
ZINC PHOSPHATE7779-90-0	
Persistence and degradability	Not rapidly degradable
SOLVENT ACETATO DE ETILA141-78-6	
Persistence and degradability	Not rapidly degradable
SOLVENT BUTYL GLYCOL (N)111-76-2	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

SOLVENT ISOPROPANOL67-63-0	
Partition coefficient n-octanol/water (Log Pow)	0.05 Source: ICSC
MIXED XYLENES1330-20-7	
Partition coefficient n-octanol/water (Log Pow)	3.15 Source: HSDB
Nafta solvente (petróleo), aromático leve64742-95-6	
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

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

ETHYL ACETATE141-78-6

Partition coefficient n-octanol/water (Log Pow) 0.73 Source: ICSC

Ethyl Alcohol, Anhydrous Alcohol, AEAC64-17-5

Partition coefficient n-octanol/water (Log Pow) -0.32 Source: ICSC

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

Partition coefficient n-octanol/water (Log Pow) 2.96 Source: ECHA

ISOPENTYL ACETATE123-92-2

Partition coefficient n-octanol/water (Log Pow) 2.13 Source: ICSC

SOLVENT ACETATO DE ETILA141-78-6

Partition coefficient n-octanol/water (Log Pow) 0.73 Source: ICSC

SOLVENT BUTYL GLYCOL (N)111-76-2

Partition coefficient n-octanol/water (Log Pow) 0.81 Source: ECHA

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

: 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 (24°C c.c.)	UN 1263 Paint, 3, III
Transport hazard class(es)		
3	3	3

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

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

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

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13667459

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 4/13/2026

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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