

# W-LACK SRA 11 1 MX T BLACK 70477 MONOCOMPONENT



## Safety Data Sheet

According to ABNT NBR 14725: 2023  
Issue date: 1/5/2026 Version: 1.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : W-LACK SRA 11 1 MX T BLACK 70477 MONOCOMPONENT  
Product code : 19101619  
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

No additional information available

#### 1.4. Supplier's details

##### WEG TINTAS LTDA - GRUPO WEG

##### Guaramirim - Santa Catarina / Brasil

Rodovia BR 280 – Km 50, 6.918 – Bloco A. Caixa D'Água – 89270-000 - +55 (47) 3276-4000

##### Mauá - São Paulo / Brasil

Rua Dr. Ulysses Guimarães, nº 918 – Bloco A. Loteamento Industrial Coral 09372-050 – Fone: +55 (11) 4547-6100

##### Cabo de Santo Agostinho - Pernambuco / Brasil

Via VII, 314 Distrito Industrial DIPER – 54590-000 - Fone: +55 (81) 3512-3000

##### Betim - Minas Gerais / Brasil

Avenida Juiz Marco Tulio Isaac, 2994 Betim Industrial – 32671-198, Fone: +55 (31) 3268-0687 / +55 (31) 3268-0686

##### Macaé - Rio de Janeiro / Brasil

Rua Itacolomi, 528 – Quadra H – Lote 11 Cabiúnas – 27977-340

##### Atotonilco de Tula - Estado de Hidalgo / México

Av. Hidalgo, lote 40, 41, 42 y 43 - Parque Industrial Bicentenario, CP 42980 - Fone: +52 (55) 5321-4231

##### Buenos Aires - Provincia de Buenos Aires / Argentina

Av. José Melián, 2983 - Parque Industrial Burzaco, B1852 - Fone: +54 (11) 4299-8000

#### 1.5. Emergency phone number

Emergency number :

<b>24-HOUR EMERGENCY - AMBIPAR</b>	0800 117 2020		
<b>CHEMTREC international number</b>	+1-703-527-3887 e 1-800-424-9300		
<b>Country</b>	<b>City</b>	<b>Local Number</b>	<b>Toll-Free Number</b>
Austria	Vienna	+43-1-3649237	
Austria			0800 293702
China		400 120 4937	
France		+33-975181407	
Germany			0800-181-7059

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## Safety Data Sheet

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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 4  
Acute toxicity (inhalation:vapour) Category 4  
Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 1  
Skin sensitisation, Category 1  
Reproductive toxicity, 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 2

### 2.2. GHS Label elements, including precautionary statements

#### GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H226 - Flammable liquid and vapour  
H312+H332 - Harmful in contact with skin or if inhaled  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H335 - May cause respiratory irritation  
H360 - May damage fertility or the unborn child.  
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.  
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.  
P260 - Do not breathe dust, fume, gas, mist, vapours or spray.  
P264 - Wash hands, forearms and face thoroughly after handling.

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19101619

## Safety Data Sheet

According to ABNT NBR 14725: 2023

P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.  
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).  
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use appropriate media to extinguish.  
P391 - Collect spillage.  
P403+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	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 2, H411
ESTERIFIED RESIN (N)	CAS-No.: 94581-15-4	10 – 20	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 4, H413
SOLVENT ISOBUTHANOL	CAS-No.: 78-83-1	5 – 10	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313

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Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
			Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335
2-methoxy-1-methylethyl acetate	CAS-No.: 108-65-6	5 – 10	Flam. Liq. 3, H226 Acute Tox. 5 (Dermal), H313 Aquatic Acute 3, H402
Aliphatic solvent	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
2-ethylhexanoic acid, zirconium salt	CAS-No.: 22464-99-9	1 – 5	Acute Tox. 5 (Dermal), H313 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MANGANESE 2-ETHYLHEXANOATE	CAS-No.: 13434-24-7	1 – 5	Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Cobalt bis(2-ethylhexanoate)	CAS-No.: 136-52-7	0.5 – 1	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
n-methylpyrrolidone	CAS-No.: 872-50-4	0.25 – 0.5	Flam. Liq. 4, H227 Acute Tox. 5 (Oral), H303 Eye Irrit. 2A, H319 Repr. 1B, H360 STOT SE 3, H335

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. People with over sensibility problems are not allowed to work or be exposed to the product.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. 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. If skin irritation or rash occurs: Get medical advice/attention.
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.
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## Safety Data Sheet

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Symptoms/effects after inhalation	: May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. : May cause headache, nausea and irritation of respiratory tract. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: Harmful in contact with skin. Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: stinging. Redness. Causes serious eye damage. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: May damage fertility. May damage the unborn child.

### 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 : Dry chemical, CO<sub>2</sub>, 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.

## 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.

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19101619

## Safety Data Sheet

According to ABNT NBR 14725: 2023

### 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. 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 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. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. 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. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight.
- Incompatible materials : combustible materials.
- Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### MIXED XYLENES 1330-20-7

#### USA - ACGIH - Occupational Exposure Limits

Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH® TLV® TWA	20 ppm

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## Safety Data Sheet

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MIXED XYLENES 1330-20-7	
Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair; Hematologic eff; Ototoxicity (p-xylene). Notations: OTO (Ototoxicant) (p isomer); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
USA - ACGIH - Biological Exposure Indices	
Local name	Xylene, all isomers (Dimethylbenzene)
BEI	0.3 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL TWA	435 mg/m <sup>3</sup> 100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
SOLVENT ISOBUTHANOL 78-83-1	
USA - ACGIH - Occupational Exposure Limits	
Local name	Isobutanol
ACGIH® TLV® TWA	50 ppm
Remark (ACGIH)	TLV® Basis: Skin & eye irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Isobutyl alcohol
OSHA PEL TWA	300 mg/m <sup>3</sup> 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

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19101619

## Safety Data Sheet

According to ABNT NBR 14725: 2023

### Eye protection:

Wear closed safety glasses

### Skin and body protection:

Long sleeved protective clothing. Or chemical resistant apron. Safety shoes

### 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 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	: 0.95 – 1.011 g/cm <sup>3</sup>
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	: 75 – 85 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

### Aliphatic solvent64742-47-8

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

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19101619

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### Aliphatic solvent64742-47-8

Vapour pressure	1 – 3.7 kPa Temp.: 37,8 °C
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### 2-ethylhexanoic acid, zirconium salt22464-99-9

Flash point	40 °C Source: ECHA
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### n-methylpyrrolidone872-50-4

Boiling point	204.3 °C at 1015.8 hPa Source: ECHA
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Flash point	91 °C Source: ECHA
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Auto-ignition temperature	245 °C Source: ECHA
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Vapour pressure	0.32 hPa at 20°C Source: ECHA
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Vapour pressure at 50°C	≈ 2.54 hPa
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### MIXED XYLENES1330-20-7

Boiling point	138 °C Source: ICSC
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Flash point	30 °C (ASTM D 93)
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Auto-ignition temperature	≥ 528 °C Source: SRC
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Vapour pressure	8.84 mm Hg at 25°C Source: SRC
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### ESTERIFIED RESIN (N)94581-15-4

Boiling point	≥ 163 °C Source: ECHA Chem
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Vapour pressure	< 1 mbar Temp.: 20 °C
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### SOLVENT ISOBUTHANOL78-83-1

Boiling point	108 °C Source: ChemIDPlus
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Flash point	28 °C Source: ECHA
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Auto-ignition temperature	415 °C Source: ECHA
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Vapour pressure	1.2 kPa at 20°C Source: CHemIDplus
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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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### 2-methoxy-1-methylethyl acetate108-65-6

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

VOC Total (g/l) : 625.51 g/l  
VOC Total (lb/gal) : 5.22 lb/gal

### 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 : 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) : Harmful in contact with skin.  
Acute toxicity (inhalation) : Inhalation:vapour: Harmful if inhaled.

W-LACK SRA 11 1 MX T BLACK 70477 MONOCOMPONENT	
ATE BR (dermal)	1909.519 mg/kg bodyweight
ATE BR (vapours)	16.114 mg/l/4h
Aliphatic solvent (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)
n-methylpyrrolidone (872-50-4)	
LD50 oral rat	4150 mg/kg Source: ECHA
LD50 dermal rat	> 5000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 5.1 mg/l Source: ECHA

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19101619

## Safety Data Sheet

According to ABNT NBR 14725: 2023

<b>MIXED XYLENES (1330-20-7)</b>	
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
<b>ESTERIFIED RESIN (N) (94581-15-4)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 oral	> 2000 mg/kg bodyweight Animal: , Animal sex: female
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
<b>SOLVENT ISOBUTHANOL (78-83-1)</b>	
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
<b>Cobalt bis(2-ethylhexanoate) (136-52-7)</b>	
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
<b>2-methoxy-1-methylethyl acetate (108-65-6)</b>	
LD50 oral rat	8532 mg/kg Source: International Uniform Chemical Information Database
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5000 mg/kg Source: International Uniform Chemical Information Database
Skin corrosion/irritation	: Causes skin irritation.
<b>n-methylpyrrolidone (872-50-4)</b>	
pH	7.7 – 8 Source: HSDB
<b>MIXED XYLENES (1330-20-7)</b>	
pH	7
Serious eye damage/irritation	: Causes serious eye damage.
<b>n-methylpyrrolidone (872-50-4)</b>	
pH	7.7 – 8 Source: HSDB
<b>MIXED XYLENES (1330-20-7)</b>	
pH	7
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
<b>MIXED XYLENES (1330-20-7)</b>	
IARC group	3 - Not classifiable

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19101619

## Safety Data Sheet

According to ABNT NBR 14725: 2023

### Aliphatic solvent (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)]
---------------------------	---

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure : May cause respiratory irritation.

### n-methylpyrrolidone (872-50-4)

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

### MIXED XYLENES (1330-20-7)

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

### 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.

### Aliphatic solvent (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)
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NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
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### 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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NOAEL (subchronic, oral, animal/female, 90 days)	205 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:
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### 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.
------------------------	--

### ESTERIFIED RESIN (N) (94581-15-4)

NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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### Cobalt bis(2-ethylhexanoate) (136-52-7)

LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.31 mg/l air Animal: rat
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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.
------------------------	---

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

NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
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Aspiration hazard : Not classified.

### W-LACK SRA 11 1 MX T BLACK 70477 MONOCOMPONENT

Viscosity, kinematic	300 – 340 mm <sup>2</sup> /s
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### MIXED XYLENES (1330-20-7)

Viscosity, kinematic	≈ 0.76 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'
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19101619

## Safety Data Sheet

According to ABNT NBR 14725: 2023

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

Viscosity, kinematic	1.182 mm <sup>2</sup> /s
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### 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. May cause an allergic skin reaction. 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	: Harmful in contact with skin. Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: stinging. Redness. Causes serious eye damage. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: May damage fertility. May damage the unborn child.

## 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.

### Aliphatic solvent64742-47-8

LC50 - Fish [1]	2.4 mg/l Source: ECOTOX
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### 2-ethylhexanoic acid, zirconium salt22464-99-9

LC50 - Fish [1]	100 mg/l Test organisms (species): Oryzias latipes
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EC50 - Crustacea [1]	0.17 mg/l Test organisms (species): Daphnia magna
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EC50 72h - Algae [1]	49.3 mg/l Source: ECHA
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LOEC (chronic)	63 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
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NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
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### n-methylpyrrolidone872-50-4

LC50 - Fish [1]	500 mg/l Source: ECHA
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### MIXED XYLENES1330-20-7

LC50 - Fish [1]	2.6 mg/l Source: ECHA
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EC50 - Crustacea [1]	3.4 mg/l Test organisms (species): Ceriodaphnia dubia
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ErC50 algae	2.2 mg/l
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LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
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NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
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### ESTERIFIED RESIN (N)94581-15-4

LC50 - Fish [1]	> 400 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
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EC50 - Crustacea [1]	> 100 mg/l Source: ECHA Chem
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LC50 - Fish [2]	> 400 mg/l Test organisms (species):
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19101619

## Safety Data Sheet

According to ABNT NBR 14725: 2023

<b>ESTERIFIED RESIN (N)94581-15-4</b>	
EC50 72h - Algae [1]	> 100 mg/l Source: ECHA Chem
<b>SOLVENT ISOBUTHANOL78-83-1</b>	
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
<b>Cobalt bis(2-ethylhexanoate)136-52-7</b>	
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
<b>2-methoxy-1-methylethyl acetate108-65-6</b>	
LC50 - Fish [1]	100 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	500 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'

### 12.2. Persistence and degradability

<b>W-LACK SRA 11 1 MX T BLACK 70477 MONOCOMPONENT</b>	
Persistence and degradability	Not rapidly degradable
<b>MANGANESE 2-ETHYLHEXANOATE13434-24-7</b>	
Persistence and degradability	Not rapidly degradable
<b>Aliphatic solvent64742-47-8</b>	
Persistence and degradability	Not rapidly degradable
<b>2-ethylhexanoic acid, zirconium salt22464-99-9</b>	
Persistence and degradability	Not rapidly degradable
<b>n-methylpyrrolidone872-50-4</b>	
Persistence and degradability	Not rapidly degradable
<b>MIXED XYLENES1330-20-7</b>	
Persistence and degradability	Not rapidly degradable
<b>ESTERIFIED RESIN (N)94581-15-4</b>	
Persistence and degradability	Not rapidly degradable
<b>SOLVENT ISOBUTHANOL78-83-1</b>	
Persistence and degradability	Not rapidly degradable
<b>Cobalt bis(2-ethylhexanoate)136-52-7</b>	
Persistence and degradability	Not rapidly degradable

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## Safety Data Sheet

According to ABNT NBR 14725: 2023

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

Persistence and degradability	Not rapidly degradable
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### 12.3. Bioaccumulative potential

#### Aliphatic solvent64742-47-8

Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID
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#### n-methylpyrrolidone872-50-4

Partition coefficient n-octanol/water (Log Pow)	-0.46 Source: ECHA
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#### MIXED XYLENES1330-20-7

Partition coefficient n-octanol/water (Log Pow)	3.15 Source: HSDB
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#### ESTERIFIED RESIN (N)94581-15-4

Partition coefficient n-octanol/water (Log Pow)	4.5 Source: ECHA Chem
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#### SOLVENT ISOBUTHANOL78-83-1

Partition coefficient n-octanol/water (Log Pow)	0.8 Source: ChemIDPlus
---	------------------------

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

Partition coefficient n-octanol/water (Log Pow)	2.96 Source: ECHA
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#### 2-methoxy-1-methylethyl acetate108-65-6

Partition coefficient n-octanol/water (Log Pow)	0.43 Source: International Uniform Chemical Information Database
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### 12.4. Mobility in soil

No additional information available

### 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
<b>UN number</b>		
1263	1263	1263
<b>UN Proper Shipping Name</b>		
TINTA	PAINT	Paint

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Transport document description		
Not applicable	UN 1263 PAINT, 3, I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (31°C c.c.)	UN 1263 Paint, 3, I
Transport hazard class(es)		
3	3	3
Danger labels		
3	3	3
	 	
Subsidiary risk		
Not applicable	Not applicable	Not applicable
Risk Number		
33	Not applicable	Not applicable
Packing group		
I	I	I
Special provisions		
163,367	163,367	A3,A72,A192
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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## Safety Data Sheet

According to ABNT NBR 14725: 2023

### SECTION 16: Other information

#### Abbreviations and acronyms

: CAS-No. - Chemical Abstract Service number  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
BCF - Bioconcentration factor  
EC50 - Median effective concentration  
LC50 - Median lethal concentration  
VOC - Volatile Organic Compounds  
LD50 - Median lethal dose  
DMEL - Derived Minimal Effect level  
DNEL - Derived-No Effect Level  
COD - Chemical oxygen demand (COD)  
ATE - Acute Toxicity Estimate  
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.