

# W-LACK HIDRO MSD 723 PFD 3 OXYDE RED 82272 MONOCOMPONENT



## Safety Data Sheet

According to ABNT NBR 14725: 2023  
Issue date: 4/24/2025 Revision date: 5/28/2025 Version: 2.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : W-LACK HIDRO MSD 723 PFD 3 OXYDE RED 82272 MONOCOMPONENT  
Product code : 14932247  
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 :

<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	

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Germany			0800-181-7059
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	
Russia			8(800)100-63-46
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  
Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 1  
Respiratory sensitisation, Category 1  
Reproductive toxicity, Category 1B

### 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 - May be harmful if swallowed

H315 - Causes skin irritation

H318 - Causes serious eye damage

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H360 - May damage fertility or the unborn child.

Precautionary statements (GHS BR)

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

P284 - Wear respiratory protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of 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.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P332+P313 - If skin irritation occurs: Get medical advice or attention.

P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or a doctor.

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P362+P364 - Take off contaminated clothing and wash it before reuse.  
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	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
Ethyl Alcohol, Anhydrous Alcohol, AEAC	CAS-No.: 64-17-5	20 – 40	Flam. Liq. 2, H225 Eye Irrit. 2, H319
SOLVENT BUTYL GLYCOL (N)	CAS-No.: 111-76-2	10 – 20	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Hydrated aluminum silicate (KAOLIN)	CAS-No.: 1332-58-7	5 – 10	Acute Tox. 4 (Inhalation:dust,mist), H332 Resp. Sens. 1, H334
REAGENT DIMETHYL ETALONAMINA (DMEA)	CAS-No.: 108-01-0	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314
ETHYL GLYCOL SOLVENT	CAS-No.: 110-80-5	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Repr. 1B, H360
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
ZINC OCTOATE	CAS-No.: 136-53-8	0.1 – 0.25	Eye Irrit. 2, H319 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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### SECTION 4: First-aid measures

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

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. 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 severe burns. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Danger of serious damage to health by prolonged exposure through inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Causes skin irritation. irritation (itching, redness, blistering). Causes severe burns.
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. Burns or irritation of the linings of the mouth, throat, and gastrointestinal 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
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ).
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. High temperature decomposition products are harmful by inhalation.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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### 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. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and materials for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Absorb spilled material with sand or earth. Absorb spillage to prevent material damage. Clean contaminated surfaces with an excess of water. Take up liquid spill into absorbent material.

## 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 : 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. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. 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

- Technical measures : Store locked up.  
Storage conditions : Keep cool. Protect from sunlight.  
Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Hydrated aluminum silicate (KAOLIN) 1332-58-7	
USA - ACGIH - Occupational Exposure Limits	
Local name	Kaolin
ACGIH® TLV® TWA	2 mg/m <sup>3</sup> (E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)

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Hydrated aluminum silicate (KAOLIN) 1332-58-7	
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Kaolin
OSHA PEL TWA	15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Ethyl Alcohol, Anhydrous Alcohol, AEAC 64-17-5	
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethanol
ACGIH® TLV® STEL	1000 ppm
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Ethyl alcohol (Ethanol)
OSHA PEL TWA	1900 mg/m <sup>3</sup> 1000 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
SOLVENT BUTYL GLYCOL (N) 111-76-2	
USA - ACGIH - Occupational Exposure Limits	
Local name	2-Butoxyethanol (EGBE)
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	2-Butoxyethanol
OSHA PEL TWA	240 mg/m <sup>3</sup> 50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
ETHYL GLYCOL SOLVENT 110-80-5	
USA - ACGIH - Occupational Exposure Limits	
Local name	2-Ethoxyethanol
ACGIH® TLV® TWA	5 ppm
Remark (ACGIH)	TLV® Basis: Male repro & embryo/fetal dam. Notations: Skin; BEI
Regulatory reference	ACGIH 2024

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### ETHYL GLYCOL SOLVENT 110-80-5

#### USA - OSHA - Occupational Exposure Limits

Local name	2-Ethoxyethanol (Cellosolve)
OSHA PEL TWA	740 mg/m <sup>3</sup>
	200 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

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

### 8.3. Individual protection measures

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

#### Eye protection:

Wear closed safety glasses

#### Skin and body protection:

Safety shoes

#### Respiratory protection:

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

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: red
Odour	: characteristic
Odour threshold	: Not available
pH	: 9 – 9.5
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available

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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	: 1.15 – 1.2 g/cm <sup>3</sup>
Solubility	: In water, material soluble. Water: Soluble in water
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: 80 – 100 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

### Hydrated aluminum silicate (KAOLIN)1332-58-7

Vapour pressure	0 mm Hg Source: CAMEO
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### REAGENT DIMETHYL ETALONAMINA (DMEA)108-01-0

Flash point	39 °C
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### Ethyl Alcohol, Anhydrous Alcohol, AEAC64-17-5

Boiling point	78.5 – 101.325 °C kPa (760 mm Hg)
Flash point	15 °C (vaso fechado)
Auto-ignition temperature	423 °C
Vapour pressure	5.9 kPa (44mmHg) a 20 °C

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

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

### ETHYL GLYCOL SOLVENT110-80-5

Flash point	43 °C
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## 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 : Stable under normal conditions of use.

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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	:
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)	: Not available
Acute toxicity (inhalation)	: Not available

#### W-LACK HIDRO MSD 723 PFD 3 OXYDE RED 82272 MONOCOMPONENT

ATE BR (oral)	3212.8 mg/kg bodyweight
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#### Hydrated aluminum silicate (KAOLIN) (1332-58-7)

LD50 oral rat	> 5000 mg/kg Source: HSDB
LD50 dermal rat	> 5000 mg/kg Source: HSDB
LC50 Inhalation - Rat (Dust/Mist)	≥ 5 mg/l Source: OSHRI GLP toxicity test

#### 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

#### 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)

Skin corrosion/irritation	: Causes skin irritation. pH: 9 – 9.5
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#### Hydrated aluminum silicate (KAOLIN) (1332-58-7)

pH	4.5 Source: hsdh
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#### REAGENT DIMETHYL ETALONAMINA (DMEA) (108-01-0)

pH	10.5 – 11
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#### Ethyl Alcohol, Anhydrous Alcohol, AEAC (64-17-5)

pH	6 – 8
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Serious eye damage/irritation	: Causes serious eye damage. pH: 9 – 9.5
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#### Hydrated aluminum silicate (KAOLIN) (1332-58-7)

pH	4.5 Source: hsdh
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### REAGENT DIMETHYL ETALONAMINA (DMEA) (108-01-0)

pH 10.5 – 11

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

pH 6 – 8

Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Germ cell mutagenicity : Not available  
Carcinogenicity : Not available

### 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 : May damage fertility or the unborn child.  
STOT-single exposure : Not available  
STOT-repeated exposure : Not available

### 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)

### 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 available

### W-LACK HIDRO MSD 723 PFD 3 OXYDE RED 82272 MONOCOMPONENT

Viscosity, kinematic 80 – 100 mm<sup>2</sup>/s

### ETHYL GLYCOL SOLVENT (110-80-5)

Viscosity, kinematic 2.258 mm<sup>2</sup>/s

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

Symptoms/effects : May cause severe burns. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Danger of serious damage to health by prolonged exposure through inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : Causes skin irritation. irritation (itching, redness, blistering). Causes severe burns.

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. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : May damage fertility. May damage the unborn child.

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# W-LACK HIDRO MSD 723 PFD 3 OXYDE RED 82272 MONOCOMPONENT

14932247

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 5/28/2025

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

##### 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'

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

EC50 - Crustacea [1]	5.89 mg/l Test organisms (species): Daphnia magna
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#### 12.2. Persistence and degradability

##### W-LACK HIDRO MSD 723 PFD 3 OXYDE RED 82272 MONOCOMPONENT

Persistence and degradability	Not rapidly degradable
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##### Hydrated aluminum silicate (KAOLIN)1332-58-7

Persistence and degradability	Not rapidly degradable
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##### REAGENT DIMETHYL ETALONAMINA (DMEA)108-01-0

Persistence and degradability	Not rapidly degradable
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##### Ethyl Alcohol, Anhydrous Alcohol, AEAC64-17-5

Persistence and degradability	Not rapidly degradable
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##### Cobalt bis(2-ethylhexanoate)136-52-7

Persistence and degradability	Not rapidly degradable
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##### ZINC OCTOATE136-53-8

Persistence and degradability	Not rapidly degradable
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##### SOLVENT BUTYL GLYCOL (N)111-76-2

Persistence and degradability	Not rapidly degradable
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##### ETHYL GLYCOL SOLVENT110-80-5

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

##### Ethyl Alcohol, Anhydrous Alcohol, AEAC64-17-5

Partition coefficient n-octanol/water (Log Pow)	-0.32 Source: ICSC
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#### 12.4. Mobility in soil

No additional information available

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### 12.5. Other adverse effects

Hazardous to the ozone layer : Not available  
Other adverse effects : May cause pH changes in aqueous ecological systems. Before neutralisation, the product may represent a danger to aquatic organisms.

## SECTION 13: Disposal considerations

Regional waste regulation : Law No. 12.305 on the National Policy on Solid Waste Management, 02 August 2010.  
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
<b>UN number</b>		
Not applicable	Not applicable	Not applicable
<b>UN Proper Shipping Name</b>		
Not applicable	Not applicable	Not applicable
<b>Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>Danger labels</b>		
Not applicable	Not applicable	Not applicable
<b>Subsidiary risk</b>		
Not applicable	Not applicable	Not applicable
<b>Risk Number</b>		
Not applicable	Not applicable	Not applicable
<b>Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>Special provisions</b>		
Not applicable	Not applicable	Not applicable
<b>Dangerous for the environment</b>		
Not applicable	Not applicable	Not applicable

### 14.2 Other informations

No additional information available

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### 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 November 3, 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

### 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.

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