

W-CRIL ADHESION PROMOTER 1011

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 2/10/2025 Revision date: 1/29/2026 Version: 4.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : W-CRIL ADHESION PROMOTER 1011
Product code : 16100976
Type of product : Catalyst
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 : Uses in coatings - Curing agent for component A.

1.4. Supplier's details

WEG TINTAS LTDA - GRUPO WEG

Guaramirim - Santa Catarina / Brasil

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

Mauá - São Paulo / Brasil

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

Cabo de Santo Agostinho - Pernambuco / Brasil

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

Betim - Minas Gerais / Brasil

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

Macaé - Rio de Janeiro / Brasil

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

Atotonilco de Tula - Estado de Hidalgo / México

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

Buenos Aires - Provincia de Buenos Aires / Argentina

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

1.5. Emergency phone number

Emergency number :

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

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India	Bangalore	+91 8071 279 207	
India			000 800 1007 141
Italy	Milan	+39-02 4555 7031	
Italy			800 789 767
Netherlands		+31-85 888 0596	
South Africa			080-001-4676
United Kingdom	London	+44 20 3807 3798	
South korea			080-880-0454
Japan			0800-300-5842

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725: 2023)

Acute toxicity (oral), Category 5

Acute toxicity (dermal), Category 5

Skin corrosion/irritation, Category 1

Skin sensitisation, Category 1

Specific target organ toxicity — Single exposure, Category 2

Hazardous to the aquatic environment - Acute Hazard, Category 2

Hazardous to the aquatic environment - Chronic Hazard, Category 2

2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H303+H313 - May be harmful if swallowed or in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H371 - May cause damage to organs.

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS BR)

: P260 - Do not breathe dust, fume, gas, mist, vapours or spray.

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

P270 - Do not eat, drink or smoke when using this product.

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.

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

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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+P311 - IF exposed or concerned: Call a POISON CENTER or a doctor.

P310 - Immediately call a POISON CENTER or a doctor.

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

P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.

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P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
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)
DIETHYLENETRIAMINO PROPYLTRIMETHOXYLANE	CAS-No.: 35141-30-1	60 – 80	Acute Tox. 5 (Dermal), H313 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
HARDENER EPOXY	CAS-No.: 111-40-0	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317
SOLVENT METHANOL	CAS-No.: 67-56-1	1 – 5	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:vapour), H331 Skin Corr. 1, H314 STOT SE 1, H370

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Seek medical attention immediately. 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.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. 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	: If you feel unwell, seek medical advice. If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting because of corrosive effects.

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4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects	: Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause damage to organs.
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.
Symptoms/effects after skin contact	: May be harmful in contact with skin. Highly corrosive to skin. Causes severe burns. irritation (itching, redness, blistering). Cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye burns. May cause destruction of eye tissue.
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.

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 (CO2).
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: In case of fire, corrosive gases come free. In case of fire and/or explosion do not breathe fumes.
Explosion hazard	: No direct explosion hazard.

5.3. Special protective actions for fire-fighters

Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.
Other information	: In case of fire, corrosive and harmful gases come free.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. May be harmful to aquatic organisms, to flora, to soil organisms. Clean up any spills as soon as possible, using an absorbent material to collect it. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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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. 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.

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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 spillage to prevent material damage. Clean contaminated surfaces with an excess of water. Absorb spilled material with sand or earth. 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 : 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. Ensure good ventilation of the work station. Wear personal protective equipment. 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. Protect from sunlight. Store in a well-ventilated place. Keep cool.
- Packaging materials : Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SOLVENT METHANOL 67-56-1	
USA - OSHA - Occupational Exposure Limits	
Local name	Methyl alcohol
OSHA PEL TWA	260 mg/m ³
	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:

Corrosionproof clothing.

Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

Eye protection:

Wear closed safety glasses

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Skin and body protection:

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

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	: Colourless
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 250 °C (1.013 hPa)
Flash point	: 125 °C
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: 1.33 hPa (20 °C)
Relative vapour density at 20°C	: Not available
Relative density	: 1.03
Density	: 1.03 g/cm³ (25 °C)
Relative gas density	: > 1
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle specific surface area	: Not applicable

HARDENER EPOXY111-40-0

Boiling point	207 °C Source: ICSC
Flash point	97 °C Source: ICSC
Auto-ignition temperature	358 °C Source: ICSC
Vapour pressure	37 Pa at 20°C Source: ICSC

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DIETHYLENETRIAMINO PROPYLTRIMETHOXYSILANE 35141-30-1

Boiling point	149 °C Source: KOSHANET
Flash point	137 °C Source: KOSHANET
Vapour pressure	0.015 Pa Temp.: 25 °C

SOLVENT METHANOL 67-56-1

Boiling point	65 °C Source: ICSC
Flash point	11.11 °C Source: NIOSH pocket guide
Auto-ignition temperature	440 °C Source: ICSC
Vapour pressure	127 mm Hg at 25°C Source: HSDB, ChemIDplus

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.
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	: Materiais plásticos solúveis em Xileno. Não armazenar com materiais explosivos, gases inflamáveis e/ou tóxicos, substâncias oxidantes, corrosivas e materiais que possam.
Possibility of hazardous reactions	: None under normal use.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Handling temperature	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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ATE BR (oral)	3846.154 mg/kg bodyweight
ATE BR (dermal)	2538.462 mg/kg bodyweight

HARDENER EPOXY (111-40-0)

LD50 oral rat	1.62 ml/kg
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DIETHYLENETRIAMINO PROPYLTRIMETHOXYSILANE (35141-30-1)

LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
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SOLVENT METHANOL (67-56-1)

LD50 oral rat	100 mg/kg Source: National Institute of Environmental Research NCIS
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SOLVENT METHANOL (67-56-1)	
LD50 dermal rabbit	300 mg/kg Source: ECHA
Skin corrosion/irritation	: Causes severe skin burns.
HARDENER EPOXY (111-40-0)	
pH	12
SOLVENT METHANOL (67-56-1)	
pH	12.1 Source: Gestis
Serious eye damage/irritation	: Assumed to cause serious eye damage
HARDENER EPOXY (111-40-0)	
pH	12
SOLVENT METHANOL (67-56-1)	
pH	12.1 Source: Gestis
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not available
STOT-single exposure	: May cause damage to organs.
SOLVENT METHANOL (67-56-1)	
STOT-single exposure	Causes damage to organs.
STOT-repeated exposure	: Not available
DIETHYLENETRIAMINO PROPYLTRIMETHOXYSILANE (35141-30-1)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Aspiration hazard	: Not available
SOLVENT METHANOL (67-56-1)	
Viscosity, kinematic	0.689 mm²/s

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

Symptoms/effects	: Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause damage to organs.
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.
Symptoms/effects after skin contact	: May be harmful in contact with skin. Highly corrosive to skin. Causes severe burns. irritation (itching, redness, blistering). Cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye burns. May cause destruction of eye tissue.
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.

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	: Toxic to aquatic life with long lasting effects.

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(chronic)

HARDENER EPOXY111-40-0

LC50 - Fish [1]	430 mg/l
EC50 - Crustacea [1]	16 mg/l Source: ECHA
EC50 72h - Algae [1]	187 mg/l Source: ECHA

DIETHYLENETRIAMINO PROPYLTRIMETHOXYSILANE35141-30-1

LC50 - Fish [1]	423.217 mg/l Source: Ecological Structure Activity Relationships
EC50 - Crustacea [1]	81 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	352 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	126 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	2.148 mg/l Source: Ecological Structure Activity Relationships

SOLVENT METHANOL67-56-1

LC50 - Fish [1]	15400 mg/l Source: ECHA
EC50 96h - Algae [1]	22000 mg/l Source: ECHA

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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HARDENER EPOXY111-40-0

Persistence and degradability	Not rapidly degradable
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DIETHYLENETRIAMINO PROPYLTRIMETHOXYSILANE35141-30-1

Persistence and degradability	Not rapidly degradable
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SOLVENT METHANOL67-56-1

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

HARDENER EPOXY111-40-0

Partition coefficient n-octanol/water (Log Pow)	-1.3 Source: ICSC
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DIETHYLENETRIAMINO PROPYLTRIMETHOXYSILANE35141-30-1

Partition coefficient n-octanol/water (Log Pow)	-2.19 Source: Ecological Structure Activity Relationships
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SOLVENT METHANOL67-56-1

Partition coefficient n-octanol/water (Log Pow)	-0.77 Source: HSDB, CHemIDplus
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12.4. Mobility in soil

DIETHYLENETRIAMINO PROPYLTRIMETHOXYSILANE35141-30-1

Mobility in soil	0.4025 Source: EPI Suite
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SOLVENT METHANOL67-56-1

Mobility in soil	2.75 Source: HSDB
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12.5. Other adverse effects

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

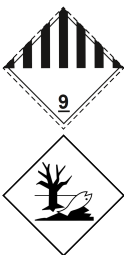
SECTION 13: Disposal considerations

Waste treatment methods	: Must follow special treatment according to local regulation.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

ANTT	IMDG	IATA
UN number		
3082	3082	3082
UN Proper Shipping Name		
SUBSTÂNCIA QUE APRESENTA RISCO PARA O MEIO AMBIENTE, LÍQUIDA, N.E.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.
Transport document description		
Not applicable	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III
Transport hazard class(es)		
9	9	9
Danger labels		
9	9	9
		
Subsidiary risk		
Not applicable	Not applicable	Not applicable
Risk Number		
90	Not applicable	Not applicable
Packing group		
III	III	III

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Special provisions		
274,331,335,375	274,335,969	A97,A158,A197,A215
Dangerous for the environment		
Yes	Yes	Yes

14.2 Other informations

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations

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

SECTION 16: Other information

Abbreviations and acronyms

: CAS-No. - Chemical Abstracts Service number
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF - Bioconcentration factor
EC50 - Median effective concentration
LC50 - Median lethal concentration
VOC - Volatile Organic Compounds
LD50 - Median lethal dose
DMEL - Derived Minimal Effect level
DNEL - Derived-No Effect Level
COD - Chemical oxygen demand (COD)
ATE - Acute Toxicity Estimate
IMDG - International Maritime Dangerous Goods
IATA - International Air Transport Association
EC-No. - European Community number
vPvB - Very Persistent and Very Bioaccumulative
WGK - Water Hazard Class
IOELV - Indicative Occupational Exposure Limit Value
BLV - Biological limit value
TRGS - Technical Rules for Hazardous Substances
TLM - Median Tolerance Limit
IARC - International Agency for Research on Cancer

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W-CRIL ADHESION PROMOTER 1011

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Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 1/29/2026

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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