

DILUENT FLEXSTRIP

Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 7/31/2025 Revision date: 11/11/2025 Version: 5.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : DILUENT FLEXSTRIP
Product code : 18708705
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 - Solvent

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
India	Bangalore	+91 8071 279 207	

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DILUENT FLEXSTRIP

18708705

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 11/11/2025

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
Acute toxicity (dermal), Category 5
Acute toxicity (inhalation:vapour) Category 4
Skin corrosion/irritation, Category 1
Skin sensitisation, Category 1
Carcinogenicity, Category 2
Reproductive toxicity, Category 1B
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Hazardous to the aquatic environment - Acute Hazard, Category 3
Hazardous to the aquatic environment - Chronic Hazard, Category 3

2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: 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
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child.
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS BR)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust, fume, gas, mist, vapours or spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
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.

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18708705

Safety Data Sheet

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Revision date: 11/11/2025

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.
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.
P363 - Wash contaminated clothing before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
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)
SOLVENT DICHLOROMETHANE	CAS-No.: 75-09-2	50 – 60	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Carc. 2, H351
INDUSTRIAL SECRET	-	20 – 40	Flam. Liq. 4, H227 Acute Tox. 5 (Oral), H303 Acute Tox. 3 (Inhalation:vapour), H331 Eye Irrit. 2A, H319 Repr. 1B, H360 STOT SE 3, H335
INDUSTRIAL SECRET	-	10 – 20	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
SOLVENT TURPENTINE	CAS-No.: 8006-64-2	0.5 – 1	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400

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DILUENT FLEXSTRIP

18708705

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 11/11/2025

Name	GHS Product identifier	Conc. (% w/w)	Classification according to GHS BR (ABNT NBR 14725: 2023)
			Aquatic Chronic 1, H410

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. 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.

4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects	: Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation.
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.
Chronic symptoms	: Suspected carcinogen. 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 (CO2).
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: In case of fire and/or explosion do not breathe fumes. In case of fire, corrosive gases come free.
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	: On exposure to high temperature, may decompose, releasing toxic gases. In case of fire, corrosive and harmful gases come free.

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18708705

Safety Data Sheet

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Revision date: 11/11/2025

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Notify fire brigade and environmental authorities.

6.1.2. For emergency responders

Protective equipment : Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection.
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

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

6.3. Methods and materials for containment and cleaning up

For containment : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Absorb spilled material with sand or earth. Collect leaking and spilled liquid in sealable containers as far as possible. 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. 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. Protect from sunlight. Store in a well-ventilated place. Keep cool.
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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18708705

Safety Data Sheet

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INDUSTRIAL SECRET

USA - ACGIH - Biological Exposure Indices

Local name	N-Methyl-2-pyrrolidone
BEI	100 mg/l Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2025

SOLVENT DICHLOROMETHANE 75-09-2

USA - ACGIH - Occupational Exposure Limits

Local name	Dichloromethane
ACGIH® TLV® TWA	50 ppm
Remark (ACGIH)	TLV® Basis: COHb-emia; CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024

SOLVENT TURPENTINE 8006-64-2

USA - ACGIH - Occupational Exposure Limits

Local name	Turpentine
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH)	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Turpentine
OSHA PEL TWA	560 mg/m³ 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:

Corrosionproof clothing.

Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

Eye protection:

Wear closed safety glasses

Skin and body protection:

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

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18708705

Safety Data Sheet

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Revision date: 11/11/2025

Respiratory protection:

Wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Odour	: characteristic
Odour threshold	: Not available
pH	: ≥ 14
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 94 °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	: 0.98 – 1.15 g/cm ³
Solubility	: insoluble in water.
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

INDUSTRIAL SECRET

Boiling point	204.3 °C at 1015.8 hPa Source: ECHA
Flash point	91 °C Source: ECHA
Auto-ignition temperature	245 °C Source: ECHA
Vapour pressure	0.32 hPa at 20°C Source: ECHA

SOLVENT DICHLOROMETHANE75-09-2

Boiling point	40 °C at 101.3 kPa Source: ECHA
Auto-ignition temperature	605 °C Source: ECHA
Vapour pressure	584 hPa at 25°C Source: ECHA

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INDUSTRIAL SECRET

Boiling point	205 °C
Flash point	93 °C
Auto-ignition temperature	436 °C
Vapour pressure	13.2 Pa at 20°C Source: ICSC

SOLVENT TURPENTINE8006-64-2

Boiling point	149 – 180 °C Source: ICSC
Flash point	24 °C Source: ECHA
Auto-ignition temperature	220 – 255 °C Source: ICSC
Vapour pressure	0.25 – 0.67 kPa Source: ECHA

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	: No additional information available.
Possibility of hazardous reactions	: None under normal use.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Handling temperature	: No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: May be harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Inhalation:vapour: Harmful if inhaled.

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ATE BR (oral)	2702.759 mg/kg bodyweight
ATE BR (dermal)	3393.051 mg/kg bodyweight
ATE BR (vapours)	10.742 mg/l/4h

INDUSTRIAL SECRET

LD50 oral rat	4150 mg/kg Source: ECHA
LD50 dermal rat	> 5000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5.1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 5.1 mg/l Source: ECHA

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18708705

Safety Data Sheet

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Revision date: 11/11/2025

SOLVENT DICHLOROMETHANE (75-09-2)

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

INDUSTRIAL SECRET

LD50 oral rat	1610 mg/kg Source: OECD SIDS
LD50 dermal rat	2000 mg/kg
LC50 Inhalation - Rat (Vapours)	> 4.178 mg/l

SOLVENT TURPENTINE (8006-64-2)

LD50 oral rat	2620 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg Source: ECHA

Skin corrosion/irritation : Causes severe skin burns.
pH: ≥ 14

INDUSTRIAL SECRET

pH	7.7 – 8 Source: HSDB
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Serious eye damage/irritation : Assumed to cause serious eye damage
pH: ≥ 14

INDUSTRIAL SECRET

pH	7.7 – 8 Source: HSDB
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Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not available
Carcinogenicity : Suspected of causing cancer.

INDUSTRIAL SECRET

NOAEL (chronic, oral, animal/male, 2 years)	≈ 89 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Guideline: EU Method B.32 (Carcinogenicity Test), Guideline: EPA OTS 798.3300 (Carcinogenicity)
NOAEL (chronic, oral, animal/female, 2 years)	≈ 221 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Guideline: EU Method B.32 (Carcinogenicity Test), Guideline: EPA OTS 798.3300 (Carcinogenicity)

SOLVENT DICHLOROMETHANE (75-09-2)

IARC group	2A - Probably carcinogenic to humans
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INDUSTRIAL SECRET

LOAEL (animal/female, F0/P)	500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
NOAEL (animal/male, F0/P)	≥ 500 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
NOAEL (animal/female, F0/P)	350 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

Reproductive toxicity : May damage fertility or the unborn child.
STOT-single exposure : May cause respiratory irritation.

INDUSTRIAL SECRET

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not available

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18708705

Safety Data Sheet

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Revision date: 11/11/2025

INDUSTRIAL SECRET

LOAEL (dermal, rat/rabbit, 90 days)	1653 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEL (dermal, rat/rabbit, 90 days)	826 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Aspiration hazard : Not available

INDUSTRIAL SECRET

Viscosity, kinematic	1.613 mm²/s
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11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation.
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.
Chronic symptoms	: Suspected carcinogen. May damage fertility. May damage the unborn child.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects. Harmful to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Harmful to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

INDUSTRIAL SECRET

LC50 - Fish [1]	500 mg/l Source: ECHA
EC50 72h - Algae [1]	600.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	672.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	12.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

SOLVENT DICHLOROMETHANE75-09-2

LC50 - Fish [1]	193 mg/l Source: ECHA
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INDUSTRIAL SECRET

LC50 - Fish [1]	10 mg/l
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SOLVENT TURPENTINE8006-64-2

LC50 - Fish [1]	0.392 mg/l Source: ECHA
EC50 - Crustacea [1]	0.475 mg/l Source: ECHA
EC50 72h - Algae [1]	0.519 mg/l Source: ECHA

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18708705

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 11/11/2025

12.2. Persistence and degradability

DILUENT FLEXSTRIP	
Persistence and degradability	Not rapidly degradable
INDUSTRIAL SECRET	
Persistence and degradability	Not rapidly degradable
SOLVENT DICHLOROMETHANE75-09-2	
Persistence and degradability	Not rapidly degradable
INDUSTRIAL SECRET	
Persistence and degradability	Not rapidly degradable
SOLVENT TURPENTINE8006-64-2	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

INDUSTRIAL SECRET	
Partition coefficient n-octanol/water (Log Pow)	-0.46 Source: ECHA
SOLVENT DICHLOROMETHANE75-09-2	
Partition coefficient n-octanol/water (Log Pow)	1.25 Source: ECHA
INDUSTRIAL SECRET	
Partition coefficient n-octanol/water (Log Pow)	1.1
SOLVENT TURPENTINE8006-64-2	
Partition coefficient n-octanol/water (Log Pow)	4.16 – 4.83 Source: HSDB

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	: Do not re-use empty containers.

SECTION 14: Transport information

14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

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18708705

Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 11/11/2025

ANTT	IMDG	IATA
UN number		
1824	1824	1824
UN Proper Shipping Name		
HIDRÓXIDO DE SÓDIO SOLUÇÃO	SODIUM HYDROXIDE SOLUTION	Sodium hydroxide solution
Transport document description		
Not applicable	UN 1824 SODIUM HYDROXIDE SOLUTION, 8, III	UN 1824 Sodium hydroxide solution, 8, III
Transport hazard class(es)		
8	8	8
Danger labels		
8	8	8
		
Subsidiary risk		
Not applicable	Not applicable	Not applicable
Risk Number		
80	Not applicable	Not applicable
Packing group		
III	III	III
Special provisions		
223	223	A3,A803
Dangerous for the environment		
No	No	No

14.2 Other informations

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations

: Standard ABNT NBR 14725.

Federal Decree no. 10.088, of 5 November 2019 – Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.

Ministerial Order no. 2.770, of 5 September 2022 – Approves the new wording of Regulatory Standard No. 26

Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials

Resolution no. 5998, of 03 November 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

Law No. 12.305, of August 2, 2010 (National Policy on Solid Waste)

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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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