

# POLYESTER MASS W4000 A COMPONENT



## Safety Data Sheet

According to ABNT NBR 14725: 2023  
Issue date: 4/17/2026 Revision date: 4/17/2026 Version: 21.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : POLYESTER MASS W4000 A COMPONENT  
Product code : 12750915  
Type of product : Paste  
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       |                         |
| 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)

Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2A  
Skin sensitisation, Category 1  
Carcinogenicity, Category 2  
Reproductive toxicity, Category 2  
Specific target organ toxicity — Repeated exposure, Category 1  
Hazardous to the aquatic environment - Acute Hazard, Category 1  
Hazardous to the aquatic environment - Chronic Hazard, Category 1

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

#### GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H351 - Suspected of causing cancer.  
H361 - Suspected of damaging fertility or the unborn child.  
H372 - Causes damage to organs through prolonged or repeated exposure.  
H410 - Very 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.  
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.

### 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

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### 3.2. Mixtures

| Name                   | GHS Product identifier | Conc. (% w/w) | Classification according to GHS BR (ABNT NBR 14725: 2023)   |
|------------------------|------------------------|---------------|---|
| STYRENE                | CAS-No.: 100-42-5      | 10 – 20       | Flam. Liq. 3, H226<br>Acute Tox. 5 (Oral), H303<br>Acute Tox. 5 (Dermal), H313<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Repr. 2, H361<br>STOT RE 1, H372<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411                       |
| STYRENE MONOMER        | CAS-No.: 100-42-5      | 1 – 5         | Flam. Liq. 3, H226<br>Acute Tox. 5 (Oral), H303<br>Acute Tox. 5 (Dermal), H313<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Carc. 2, H351<br>Repr. 2, H361<br>STOT SE 3, H335<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |
| Quartz(SiO2)           | CAS-No.: 14808-60-7    | 1 – 5         | Skin Irrit. 2, H315<br>Skin Sens. 1, H317   |
| Castor oil, dehydrated | CAS-No.: 64147-40-6    | 0.1 – 0.25    | Aquatic Acute 1, H400<br>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.   |
| 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                    | : Causes damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye irritation.  |
| Symptoms/effects after inhalation   | : Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | : Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged   |

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|                                    |  |
|------------------------------------|--|
| Symptoms/effects after eye contact | : or repeated contact may cause skin to become dry.  |
| Symptoms/effects after ingestion   | : Causes serious eye irritation. stinging, redness, itching, tears.                              |
| Chronic symptoms                   | : None under normal conditions.  |
|                                    | : Suspected carcinogen. Suspected of damaging fertility. Suspected of damaging 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   | : Water spray, earth, sand, dry chemical powder or foam. |
| 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.  |

## 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. |
|------------------|---|

#### 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. Very toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment.

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

|                         |   |
|-------------------------|---|
| For containment         | : Stop leak without risks if possible. Using a clean shovel, put the material in a dry container and cover without compressing it.  |
| Methods for cleaning up | : Clean up immediately by sweeping or vacuum. Clear up rapidly by scoop or vacuum. Clean contaminated surfaces with an excess of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. |

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed

Precautions for safe handling

: Not expected to present a significant hazard under anticipated conditions of normal use.  
: 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. 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

: Always store product in container of same material as original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 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:

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):



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### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

|   |                                 |
|---|---------------------------------|
| Physical state                                  | : Solid                         |
| Appearance                                      | : Mass.                         |
| Colour  | : white                         |
| Odour   | : characteristic                |
| Odour threshold                                 | : Not available                 |
| pH  | : Not applicable                |
| Melting point                                   | : Não disponível.               |
| Freezing point                                  | : Não disponível.               |
| Boiling point                                   | : Não disponível.               |
| Flash point                                     | : Não disponível.               |
| 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 applicable                |
| Relative density                                | : Not available                 |
| Density   | : 1.69 – 1.79 g/cm <sup>3</sup> |
| Solubility                                      | : Material insoluble in water.  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                 |
| Auto-ignition temperature                       | : Not applicable                |
| Decomposition temperature                       | : Not available                 |
| Viscosity, kinematic                            | : Not applicable                |
| Viscosity, dynamic                              | : Not applicable                |
| Particle size                                   | : Not available                 |
| Particle size distribution                      | : Not available                 |
| Particle shape                                  | : Not available                 |
| Particle aspect ratio                           | : Not available                 |
| Particle specific surface area                  | : Not available                 |

#### STYRENE MONOMER100-42-5

|                           |                               |
|---------------------------|-------------------------------|
| Boiling point             | 145 °C Source: ICSC           |
| Flash point               | 31 °C Source: ICSC            |
| Auto-ignition temperature | 490 °C Source: ICSC           |
| Vapour pressure           | 0.67 kPa at 20°C Source: ICSC |

#### Quartz(SiO2)14808-60-7

|               |                        |
|---------------|------------------------|
| Boiling point | 2230 °C Source: GESTIS |
|---------------|------------------------|

#### STYRENE100-42-5

|                           |                               |
|---------------------------|-------------------------------|
| Boiling point             | 145 °C Source: ICSC           |
| Flash point               | 31 °C Source: ICSC            |
| Auto-ignition temperature | 490 °C Source: ICSC           |
| Vapour pressure           | 0.67 kPa at 20°C Source: ICSC |

#### 9.2. Data relevant with regard to physical hazard classes

|                    |               |
|--------------------|---------------|
| VOC Total (g/l)    | : 33.65 g/l   |
| VOC Total (lb/gal) | : 0.28 lb/gal |

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### 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)       | : Not available |
| Acute toxicity (dermal)     | : Not available |
| Acute toxicity (inhalation) | : Not available |

#### STYRENE MONOMER (100-42-5)

|                                 |   |
|---------------------------------|---|
| LD50 oral rat                   | 5000 mg/kg Source: ECHA   |
| LD50 oral                       | > 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male |
| LD50 dermal rat                 | > 2000 mg/kg Source: ECHA   |
| LC50 Inhalation - Rat (Vapours) | 11.8 mg/l Source: ECHA  |

#### STYRENE (100-42-5)

|                                 |   |
|---------------------------------|---|
| LD50 oral rat                   | 5000 mg/kg Source: ECHA   |
| LD50 oral                       | > 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male |
| LD50 dermal rat                 | > 2000 mg/kg Source: ECHA   |
| LC50 Inhalation - Rat (Vapours) | 11.8 mg/l Source: ECHA  |

|                           |   |
|---------------------------|---|
| Skin corrosion/irritation | : Causes skin irritation.<br>pH: Not applicable |
|---------------------------|---|

#### Quartz(SiO2) (14808-60-7)

|    |   |
|----|---|
| pH | 7 |
|----|---|

|                               |  |
|-------------------------------|--|
| Serious eye damage/irritation | : Causes serious eye irritation.<br>pH: Not applicable |
|-------------------------------|--|

#### Quartz(SiO2) (14808-60-7)

|    |   |
|----|---|
| pH | 7 |
|----|---|

|                                   |  |
|-----------------------------------|--|
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not available                        |
| Carcinogenicity                   | : Suspected of causing cancer.         |

#### STYRENE MONOMER (100-42-5)

|            |                                      |
|------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |
|------------|--------------------------------------|

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### Quartz(SiO<sub>2</sub>) (14808-60-7)

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

### STYRENE (100-42-5)

|            |                                      |
|------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |
|------------|--------------------------------------|

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not available

### STYRENE MONOMER (100-42-5)

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

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

### STYRENE MONOMER (100-42-5)

|                            |                                   |
|----------------------------|-----------------------------------|
| LOAEL (oral, rat, 90 days) | 2000 mg/kg bodyweight Animal: rat |
|----------------------------|-----------------------------------|

|  |  |
|--|--|
| LOAEC (inhalation, rat, vapour, 90 days) | 0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
|--|--|

|                            |                                   |
|----------------------------|-----------------------------------|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat |
|----------------------------|-----------------------------------|

|  |   |
|--|---|
| NOAEL (subchronic, oral, animal/male, 90 days) | 10 mg/kg bodyweight Animal: mouse, Animal sex: male |
|--|---|

|                        |   |
|------------------------|---|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
|------------------------|---|

### STYRENE (100-42-5)

|                            |                                   |
|----------------------------|-----------------------------------|
| LOAEL (oral, rat, 90 days) | 2000 mg/kg bodyweight Animal: rat |
|----------------------------|-----------------------------------|

|  |  |
|--|--|
| LOAEC (inhalation, rat, vapour, 90 days) | 0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
|--|--|

|                            |                                   |
|----------------------------|-----------------------------------|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat |
|----------------------------|-----------------------------------|

|  |   |
|--|---|
| NOAEL (subchronic, oral, animal/male, 90 days) | 10 mg/kg bodyweight Animal: mouse, Animal sex: male |
|--|---|

|                        |   |
|------------------------|---|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
|------------------------|---|

Aspiration hazard : Not available

### POLYESTER MASS W4000 A COMPONENT

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

### STYRENE MONOMER (100-42-5)

|                      |  |
|----------------------|--|
| Viscosity, kinematic | 0.77 mm <sup>2</sup> /s Temp.: 'other.' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' |
|----------------------|--|

### STYRENE (100-42-5)

|                      |  |
|----------------------|--|
| Viscosity, kinematic | 0.77 mm <sup>2</sup> /s Temp.: 'other.' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' |
|----------------------|--|

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

Symptoms/effects : Causes damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye irritation.

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact : 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 : Causes serious eye irritation. stinging. redness, itching, tears.

Symptoms/effects after ingestion : None under normal conditions.

Chronic symptoms : Suspected carcinogen. Suspected of damaging fertility. Suspected of damaging the unborn child.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### Castor oil, dehydrated64147-40-6

|                      |  |
|----------------------|--|
| LC50 - Fish [1]      | 0 mg/l Source: Ecological Structure Activity Relationships |
| EC50 96h - Algae [1] | 0 mg/l Source: Ecological Structure Activity Relationships |

#### STYRENE MONOMER100-42-5

|                      |  |
|----------------------|--|
| LC50 - Fish [1]      | 10 mg/l Source: ECHA   |
| EC50 - Crustacea [1] | 4.7 mg/l Source: ECHA  |
| EC50 72h - Algae [1] | 4.9 mg/l Source: ECHA  |
| EC50 96h - Algae [1] | 6.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic)       | 2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC (chronic)       | 1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |

#### STYRENE100-42-5

|                      |  |
|----------------------|--|
| LC50 - Fish [1]      | 10 mg/l Source: ECHA   |
| EC50 - Crustacea [1] | 4.7 mg/l Source: ECHA  |
| EC50 72h - Algae [1] | 4.9 mg/l Source: ECHA  |
| EC50 96h - Algae [1] | 6.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic)       | 2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC (chronic)       | 1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |

#### 12.2. Persistence and degradability

#### POLYESTER MASS W4000 A COMPONENT

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Castor oil, dehydrated64147-40-6

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### STYRENE MONOMER100-42-5

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Quartz(SiO2)14808-60-7

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### STYRENE100-42-5

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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### 12.3. Bioaccumulative potential

| Castor oil, dehydrated64147-40-6                |  |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 22.65 Source: Quantitative Structure Activity Relation |
| STYRENE MONOMER100-42-5                         |  |
| Partition coefficient n-octanol/water (Log Pow) | 2.95 Source: HSDB,ChemIDplus                           |
| STYRENE100-42-5                                 |  |
| Partition coefficient n-octanol/water (Log Pow) | 2.95 Source: HSDB,ChemIDplus                           |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Hazardous to the ozone layer : Not available

## 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 | : Comply with applicable regulations for solid waste disposal. 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>  |  |  |
| 3082  | 3082   | 3082   |
| <b>UN Proper Shipping Name</b>  |  |  |
| SUBSTÂNCIA QUE APRESENTA RISCO PARA O MEIO AMBIENTE, LÍQUIDA, N.E. (Castor oil, dehydrated) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Castor oil, dehydrated)                                   | Environmentally hazardous substance, liquid, n.o.s. (Castor oil, dehydrated)                 |
| <b>Transport document description</b>   |  |  |
| Not applicable  | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Castor oil, dehydrated), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Castor oil, dehydrated), 9, III |
| <b>Transport hazard class(es)</b>   |  |  |
| 9   | 9  | 9  |
| <b>Danger labels</b>  |  |  |
| 9   | 9  | 9  |

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|                                      |                 |                    |
|--------------------------------------|-----------------|--------------------|
|                                      |                 |                    |
| <b>Subsidiary risk</b>               |                 |                    |
| Not applicable                       | Not applicable  | Not applicable     |
| <b>Risk Number</b>                   |                 |                    |
| 90                                   | Not applicable  | Not applicable     |
| <b>Packing group</b>                 |                 |                    |
| III                                  | III             | III                |
| <b>Special provisions</b>            |                 |                    |
| 274,331,335,375                      | 274,335,375,969 | A97,A158,A197,A215 |
| <b>Dangerous for the environment</b> |                 |                    |
| 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

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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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