

# POLI W 180/38700 PEI K

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 9/9/2022 Revision date: 2/24/2026 Version: 9.0



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : POLI W 180/38700 PEI K  
Product code : 19176097  
Type of product : Varnish  
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 : Wire Enamel

#### 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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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

|                |           |                  |                  |
|----------------|-----------|------------------|------------------|
| 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)

Flammable liquids, Category 3  
Acute toxicity (oral), Category 4  
Acute toxicity (dermal), Category 4  
Skin corrosion/irritation, Category 1B  
Carcinogenicity, Category 2  
Specific target organ toxicity — Repeated exposure, Category 2  
Hazardous to the aquatic environment - Acute Hazard, Category 2  
Hazardous to the aquatic environment - Chronic Hazard, Category 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)

: H226 - Flammable liquid and vapour  
H302+H312 - Harmful if swallowed or in contact with skin  
H314 - Causes severe skin burns and eye damage  
H351 - Suspected of causing cancer.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H401 - Toxic to aquatic life  
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.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.  
P241 - Use explosion-proof equipment.  
P242 - Use non-sparking tools.  
P243 - Take action to prevent static discharges.  
P260 - Do not breathe dust, fume, gas, mist, vapours or spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
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.

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## Safety Data Sheet

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Revision date: 2/24/2026

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+P313 - IF exposed or concerned: Get medical advice or attention.  
P310 - Immediately call a POISON CENTER or a doctor.  
P312 - Call a POISON CENTER or a doctor if you feel unwell.  
P314 - Get medical advice or attention as appropriate.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P330 - Rinse mouth.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P370+P378 - In case of fire: Use appropriate media to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and international regulations.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                       | GHS Product identifier | Conc. (% w/w) | Classification according to GHS BR (ABNT NBR 14725: 2023)                                                                                                                                                                                                                                         |
|----------------------------|------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Commercial secret          | -                      | 20 – 40       | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2A, H319                                                                                                                                                                                                                                                  |
| MIXED XYLENES              | CAS-No.: 1330-20-7     | 10 – 20       | Flam. Liq. 3, H226<br>Acute Tox. 5 (Oral), H303<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Irrit. 2, H315<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |
| CRESOL, MIXTURE OF ISOMERS | CAS-No.: 1319-77-3     | 10 – 20       | Flam. Liq. 4, H227<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Skin Corr. 1B, H314<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411                                                                                                                                         |
| ISOPHORONE                 | CAS-No.: 78-59-1       | 5 – 10        | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Eye Irrit. 2A, H319                                                                                                                                                                                                                   |

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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

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Revision date: 2/24/2026

| Name              | GHS Product identifier | Conc. (% w/w) | Classification according to GHS BR (ABNT NBR 14725: 2023)                                                                           |
|-------------------|------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
|                   |                        |               | Carc. 2, H351<br>STOT SE 3, H335                                                                                                    |
| XYLENOL - ISOMERS | CAS-No.: 1300-71-6     | 1 – 5         | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Skin Corr. 1B, H314<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |

## 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. 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. |
| 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 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                    | : May cause damage to organs through prolonged or repeated exposure. Swallowing a small quantity of this material presents some health hazard. Causes severe skin burns and eye damage. |
| 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 | : Harmful in contact with skin. Highly corrosive to skin. Causes severe burns. irritation (itching, redness, blistering).                                                               |
| Symptoms/effects after eye contact  | : stinging. Redness. Causes serious eye burns. May cause destruction of eye tissue.                                                                                                     |
| Symptoms/effects after ingestion    | : 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.                                                                                                                                                                 |

### 4.3. Indication of any immediate medical attention and special treatment needed, if necessary

|                    |                         |
|--------------------|-------------------------|
| Notes to physician | : Treat symptomatically |
|--------------------|-------------------------|

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

|                                |                                                      |
|--------------------------------|------------------------------------------------------|
| Suitable extinguishing media   | : Dry chemical, CO2, or water spray or regular foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                   |

### 5.2. Specific hazards arising from the chemical

|                  |                                                                                                                                                                                                                                                                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire hazard      | : Flammable liquid and vapour. The vapours are denser than air and may travel along the ground. Distance ignition possible. Agitation can cause build up of electrostatic charge. Vapours may cause fire/explosion if source of ignition is present. In case of fire and/or explosion do not breathe fumes. In case of fire, corrosive gases come free. |
| Explosion hazard | : Vapours may form explosive mixture with air. Prolonged exposure to fire may cause containers to rupture/explode.                                                                                                                                                                                                                                      |

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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

### 5.3. Special protective actions for fire-fighters

|                                |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary measures fire    | : Keep container closed when not in use. This product is not to be used under conditions of poor ventilation.                                                                                                                                                                                                                                 |
| Firefighting instructions      | : Get the package away from the fire if this can be done without risk. Fight fire from a safe distance or use hoses with support or cannon engine. Cool laterally with water containers exposed to flames, even after the fire is extinguished. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Use self-contained breathing apparatus and chemically protective clothing.                                                                                                                                                                                                                                                                  |
| Other information              | : In case of fire, corrosive and harmful gases come free.                                                                                                                                                                                                                                                                                     |

## SECTION 6: Accidental release measures

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

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Eliminate every possible source of ignition. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Avoid contact with skin and eyes. May be harmful to aquatic organisms, to flora, to soil organisms. Clean up any spills as soon as possible, using an absorbent material to collect it. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

|                      |                                                                                                                                                                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                                                                                                                                                                             |
| Emergency procedures | : No flames, no sparks. Eliminate all sources of ignition. Do not touch or walk on the spilled product. Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Notify fire brigade and environmental authorities. |

#### 6.1.2. For emergency responders

|                      |                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Use self-contained breathing apparatus and chemically protective clothing. Gloves. Wear security glasses which protect from splashes. Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection. |
| Emergency procedures | : Keep away from combustible material. All equipment used when handling the product must be grounded. Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                                                                                                                      |

### 6.2. Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Harmful to aquatic life with long lasting effects. Do not allow product to spread into the environment. Toxic to aquatic life. Notify authorities if product enters sewers or public waters.

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

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Flammable vapours may accumulate in the container.                                                                                                                                                                                                                                                                                                                                                                                               |
| Precautions for safe handling     | : Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle carefully. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear personal protective equipment. Obtain special instructions before use. Take all necessary technical measures |

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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Do not eat, drink or smoke when using this product. When heated, material emits highly irritating vapours, affecting the eyes. Ensure good ventilation of the work station. Keep only in original container. Do not handle until all safety precautions have been read and understood.

Hygiene measures

: Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

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

Storage conditions

: Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight.

Incompatible materials

: combustible materials.

Packaging materials

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### CRESOL, MIXTURE OF ISOMERS 1319-77-3

##### USA - OSHA - Occupational Exposure Limits

|                                |                               |
|--------------------------------|-------------------------------|
| Local name                     | Cresol, all isomers           |
| OSHA PEL TWA                   | 22 mg/m <sup>3</sup><br>5 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1      |

#### ISOPHORONE 78-59-1

##### USA - OSHA - Occupational Exposure Limits

|                                |                                 |
|--------------------------------|---------------------------------|
| Local name                     | Isophorone                      |
| OSHA PEL TWA                   | 140 mg/m <sup>3</sup><br>25 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. cold-insulating gloves

#### Eye protection:

Wear closed safety glasses

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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

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Revision date: 2/24/2026

### Skin and body protection:

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

### Respiratory protection:

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

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| Physical state                                  | : Liquid                                   |
| Appearance                                      | : Liquid.                                  |
| Colour                                          | : amber                                    |
| Odour                                           | : characteristic                           |
| Odour threshold                                 | : Not available                            |
| pH                                              | : Not available                            |
| Melting point                                   | : Not available                            |
| Freezing point                                  | : Not available                            |
| Boiling point                                   | : Not available                            |
| Flash point                                     | : $\geq 35^{\circ}\text{C}$                |
| Relative evaporation rate (butylacetate=1)      | : Not available                            |
| Flammability                                    | : Not available                            |
| Explosive limits                                | : 0.8 – 10.9 Vol-%                         |
| Vapour pressure                                 | : Not available                            |
| Relative vapour density at 20°C                 | : Not available                            |
| Relative density                                | : Not available                            |
| Density                                         | : 1.10 1.1 (1.08 – 1.12) g/cm <sup>3</sup> |
| Solubility                                      | : Material insoluble in water.             |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                            |
| Auto-ignition temperature                       | : 464                                      |
| Decomposition temperature                       | : Not available                            |
| Viscosity, kinematic                            | : Not available                            |
| Viscosity, dynamic                              | : 600 – 700 cP                             |
| Particle size                                   | : Not applicable                           |
| Particle size distribution                      | : Not applicable                           |
| Particle shape                                  | : Not applicable                           |
| Particle aspect ratio                           | : Not applicable                           |
| Particle specific surface area                  | : Not applicable                           |

### CRESOL, MIXTURE OF ISOMERS1319-77-3

|               |                           |
|---------------|---------------------------|
| Boiling point | 191 – 203 °C Source: HSDB |
| Flash point   | 93 °C Source: ECHA        |

### XYLENOL - ISOMERS1300-71-6

|               |                           |
|---------------|---------------------------|
| Boiling point | 203 – 225 °C Source: ICSC |
|---------------|---------------------------|

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19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

### XYLENOL - ISOMERS1300-71-6

|                           |                                |
|---------------------------|--------------------------------|
| Flash point               | 61 – 95 °C Source: ICSC        |
| Auto-ignition temperature | 470 – 555 °C Source: ECHA      |
| Vapour pressure           | 0.096 mm Hg Source: ChemIDplus |

### MIXED XYLENES1330-20-7

|                           |                                |
|---------------------------|--------------------------------|
| Boiling point             | 138 °C Source: ICSC            |
| Flash point               | 30 °C (ASTM D 93)              |
| Auto-ignition temperature | ≥ 528 °C Source: SRC           |
| Vapour pressure           | 8.84 mm Hg at 25°C Source: SRC |

### ISOPHORONE78-59-1

|                           |                                  |
|---------------------------|----------------------------------|
| Boiling point             | 215.32 °C Source: HSDB           |
| Flash point               | 82 °C Source: ECHA               |
| Auto-ignition temperature | 460 °C Source: ECHA              |
| Vapour pressure           | 0.438 mm Hg at 25°C Source: HSDB |

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

|                    |               |
|--------------------|---------------|
| VOC Total (g/l)    | : 144.9 g/l   |
| VOC Total (lb/gal) | : 1.21 lb/gal |

## 9.3. Further safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

|                                    |                                                                                                                                                                                                    |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical stability                 | : In use may form flammable/explosive vapour-air mixture.                                                                                                                                          |
| Conditions to avoid                | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. High temperature. Avoid formation of vapours.                    |
| Hazardous decomposition products   | : May liberate toxic gases. On exposure to high temperature, may decompose, releasing corrosive gases.                                                                                             |
| Incompatible materials             | : Materiais plásticos solúveis em Xileno. Não armazenar com materiais explosivos, gases inflamáveis e/ou tóxicos, substâncias oxidantes, corrosivas e materiais que possam. Combustible materials. |
| Possibility of hazardous reactions | : Liquids/vapours may ignite or react with other materials.                                                                                                                                        |
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.                                                                                                               |
| Handling temperature               | : No additional information available                                                                                                                                                              |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                                 |
|-----------------------------|---------------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed.         |
| Acute toxicity (dermal)     | : Harmful in contact with skin. |
| Acute toxicity (inhalation) | : Not available                 |

### POLI W 180/38700 PEI K

|               |                          |
|---------------|--------------------------|
| ATE BR (oral) | 748.716 mg/kg bodyweight |
|---------------|--------------------------|

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19176097

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According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

| POLI W 180/38700 PEI K                 |                                                                                                                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATE BR (dermal)                        | 1748.396 mg/kg bodyweight                                                                                                                                                               |
| CRESOL, MIXTURE OF ISOMERS (1319-77-3) |                                                                                                                                                                                         |
| LD50 oral rat                          | 242 mg/kg Source: ECHA                                                                                                                                                                  |
| LD50 dermal rabbit                     | 301 mg/kg Source: ECHA                                                                                                                                                                  |
| XYLENOL - ISOMERS (1300-71-6)          |                                                                                                                                                                                         |
| LD50 oral rat                          | 296 mg/kg                                                                                                                                                                               |
| LD50 dermal rabbit                     | 1000 mg/kg                                                                                                                                                                              |
| MIXED XYLENES (1330-20-7)              |                                                                                                                                                                                         |
| LD50 oral rat                          | 3523 mg/kg Source: ECHA                                                                                                                                                                 |
| LD50 dermal rabbit                     | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male                                                                                                                                 |
| LC50 Inhalation - Rat [ppm]            | 5922 ppm                                                                                                                                                                                |
| ISOPHORONE (78-59-1)                   |                                                                                                                                                                                         |
| LD50 oral rat                          | 1500 mg/kg Source: ECHA, HSDB, ChemIDplus                                                                                                                                               |
| LC50 Inhalation - Rat (Dust/Mist)      | 7 mg/l Source: ECHA                                                                                                                                                                     |
| Skin corrosion/irritation              | : Causes severe skin burns.                                                                                                                                                             |
| MIXED XYLENES (1330-20-7)              |                                                                                                                                                                                         |
| pH                                     | 7                                                                                                                                                                                       |
| Serious eye damage/irritation          | : Assumed to cause serious eye damage                                                                                                                                                   |
| MIXED XYLENES (1330-20-7)              |                                                                                                                                                                                         |
| pH                                     | 7                                                                                                                                                                                       |
| Respiratory or skin sensitisation      | : Not available                                                                                                                                                                         |
| Germ cell mutagenicity                 | : Not available                                                                                                                                                                         |
| Carcinogenicity                        | : Suspected of causing cancer.                                                                                                                                                          |
| MIXED XYLENES (1330-20-7)              |                                                                                                                                                                                         |
| IARC group                             | 3 - Not classifiable                                                                                                                                                                    |
| ISOPHORONE (78-59-1)                   |                                                                                                                                                                                         |
| IARC group                             | 2B - Possibly carcinogenic to humans                                                                                                                                                    |
| Reproductive toxicity                  | : Not available                                                                                                                                                                         |
| STOT-single exposure                   | : Not available                                                                                                                                                                         |
| MIXED XYLENES (1330-20-7)              |                                                                                                                                                                                         |
| STOT-single exposure                   | May cause respiratory irritation.                                                                                                                                                       |
| ISOPHORONE (78-59-1)                   |                                                                                                                                                                                         |
| STOT-single exposure                   | May cause respiratory irritation.                                                                                                                                                       |
| STOT-repeated exposure                 | : May cause damage to organs through prolonged or repeated exposure.                                                                                                                    |
| MIXED XYLENES (1330-20-7)              |                                                                                                                                                                                         |
| LOAEL (oral, rat, 90 days)             | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| STOT-repeated exposure                 | May cause damage to organs through prolonged or repeated exposure.                                                                                                                      |

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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

Aspiration hazard : Not classified.

### POLI W 180/38700 PEI K

|                      |                                      |
|----------------------|--------------------------------------|
| Viscosity, kinematic | 545.455 – 636.364 mm <sup>2</sup> /s |
|----------------------|--------------------------------------|

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

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

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

|                                     |                                                                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : May cause damage to organs through prolonged or repeated exposure. Swallowing a small quantity of this material presents some health hazard. Causes severe skin burns and eye damage. |
| 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 | : Harmful in contact with skin. Highly corrosive to skin. Causes severe burns. irritation (itching, redness, blistering).                                                               |
| Symptoms/effects after eye contact  | : stinging. Redness. Causes serious eye burns. May cause destruction of eye tissue.                                                                                                     |
| Symptoms/effects after ingestion    | : 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.                                                                                                                                                                 |

## SECTION 12: Ecological information

### 12.1. Toxicity

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

### CRESOL, MIXTURE OF ISOMERS1319-77-3

|                      |                         |
|----------------------|-------------------------|
| LC50 - Fish [1]      | 7.4 mg/l Source: ECHA   |
| EC50 - Crustacea [1] | 7.7 mg/l Source: ECHA   |
| EC50 72h - Algae [1] | 2.907 mg/l Source: ECHA |

### XYLENOL - ISOMERS1300-71-6

|                      |                      |
|----------------------|----------------------|
| EC50 - Crustacea [1] | 2.12 – 4.8 mg/l      |
| EC50 72h - Algae [1] | 48 mg/l Source: NCIS |

### MIXED XYLENES1330-20-7

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

### ISOPHORONE78-59-1

|                 |                       |
|-----------------|-----------------------|
| LC50 - Fish [1] | 228 mg/l Source: ECHA |
|-----------------|-----------------------|

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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

### 12.2. Persistence and degradability

| POLI W 180/38700 PEI K              |                        |
|-------------------------------------|------------------------|
| Persistence and degradability       | Not rapidly degradable |
| CRESOL, MIXTURE OF ISOMERS1319-77-3 |                        |
| Persistence and degradability       | Not rapidly degradable |
| XYLENOL - ISOMERS1300-71-6          |                        |
| Persistence and degradability       | Not rapidly degradable |
| MIXED XYLENES1330-20-7              |                        |
| Persistence and degradability       | Not rapidly degradable |
| ISOPHORONE78-59-1                   |                        |
| Persistence and degradability       | Not rapidly degradable |
| Commercial secret                   |                        |
| Persistence and degradability       | Not rapidly degradable |

### 12.3. Bioaccumulative potential

| CRESOL, MIXTURE OF ISOMERS1319-77-3             |                         |
|-------------------------------------------------|-------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.33 Source: ECHA       |
| XYLENOL - ISOMERS1300-71-6                      |                         |
| Partition coefficient n-octanol/water (Log Pow) | 2.61 Source: ChemIDplus |
| MIXED XYLENES1330-20-7                          |                         |
| Partition coefficient n-octanol/water (Log Pow) | 3.15 Source: HSDB       |
| ISOPHORONE78-59-1                               |                         |
| Partition coefficient n-octanol/water (Log Pow) | 1.7 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 : Flammable vapours may accumulate in the container. Do not re-use empty containers.

## SECTION 14: Transport information

### 14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

| ANTT                                                                              | IMDG                                                                              | IATA                                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>UN number</b>                                                                  |                                                                                   |                                                                                     |
| 1263                                                                              | 1263                                                                              | 1263                                                                                |
| <b>UN Proper Shipping Name</b>                                                    |                                                                                   |                                                                                     |
| TINTA                                                                             | PAINT                                                                             | Paint                                                                               |
| <b>Transport document description</b>                                             |                                                                                   |                                                                                     |
| Not applicable                                                                    | UN 1263 PAINT, 3, III (35°C c.c.)                                                 | UN 1263 Paint, 3, III                                                               |
| <b>Transport hazard class(es)</b>                                                 |                                                                                   |                                                                                     |
| 3                                                                                 | 3                                                                                 | 3                                                                                   |
| <b>Danger labels</b>                                                              |                                                                                   |                                                                                     |
| 3                                                                                 | 3                                                                                 | 3                                                                                   |
|  |  |  |
| <b>Subsidiary risk</b>                                                            |                                                                                   |                                                                                     |
| Not applicable                                                                    | Not applicable                                                                    | Not applicable                                                                      |
| <b>Risk Number</b>                                                                |                                                                                   |                                                                                     |
| 30                                                                                | Not applicable                                                                    | Not applicable                                                                      |
| <b>Packing group</b>                                                              |                                                                                   |                                                                                     |
| III                                                                               | III                                                                               | III                                                                                 |
| <b>Special provisions</b>                                                         |                                                                                   |                                                                                     |
| 163,223,367                                                                       | 163,223,367,955                                                                   | A3,A72,A192                                                                         |
| <b>Dangerous for the environment</b>                                              |                                                                                   |                                                                                     |
| 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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# POLI W 180/38700 PEI K

19176097

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Revision date: 2/24/2026

### 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

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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