

# POLITHERM 29 TF R SM PAC BLACK UL W RAL 9005 MA

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 12/4/2023 Revision date: 6/17/2026 Version: 7.0



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : POLITHERM 29 TF R SM PAC BLACK UL W RAL 9005 MA  
Product code : 17640646  
Type of product : Paint  
Product group : Trade product

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Electrostatic powder paint for surface coating.

#### 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)

Hazardous to the aquatic environment - Acute Hazard, Category 3

Hazardous to the aquatic environment - Chronic Hazard, Category 3

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

#### GHS BR labelling

Hazard statements (GHS BR)

: H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS BR)

: P273 - Avoid release to the environment.

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)                       |
|---------------------------|------------------------|---------------|---------------------------------------------------------------------------------|
| BARIUM SULFATE CHARGE     | CAS-No.: 7727-43-7     | 20 – 40       | Acute Tox. 5 (Oral), H303<br>Aquatic Acute 3, H402<br>Aquatic Chronic 3, H412   |
| HARDNER HYDROXYALKYLAMIDE | CAS-No.: 6334-25-4     | 1 – 5         | Aquatic Acute 3, H402<br>Aquatic Chronic 3, H412                                |
| HYDROGENATED CASTOR OIL   | CAS-No.: 8001-78-3     | 0.5 – 1       | Acute Tox. 5 (Dermal), H313<br>Aquatic Acute 1, H400<br>Aquatic Chronic 4, H413 |

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### SECTION 4: First-aid measures

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

|                                       |                                                                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If you feel unwell, seek medical advice.                                                                                                                        |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.                                             |
| First-aid measures after eye contact  | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.                                                                   |
| 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 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 | : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.                                                                                                                      |
| Symptoms/effects after eye contact  | : None under normal conditions. Dust from this product may cause eye irritation.                                                                                                                                                               |
| Symptoms/effects after ingestion    | : None under normal conditions.                                                                                                                                                                                                                |

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

|                                   |                          |
|-----------------------------------|--------------------------|
| Notes to physician                | : Treat symptomatically  |
| Other medical advice or treatment | : 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                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

#### 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 | : Wear recommended personal protective equipment.                                                                                                              |

### SECTION 6: Accidental release measures

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

|                  |                                                                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : 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. |

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### 6.1.2. For emergency responders

- |                      |                                                               |
|----------------------|---------------------------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection.                  |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so. |

### 6.2. Environmental precautions

Harmful to aquatic life with long lasting effects. Do not allow product to spread into the environment. Do not allow to enter drains or water courses.

### 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 | : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.                                      |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                    |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |                                                                                                                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                                                                    |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Wear personal protective equipment. Keep only in original container. Do not handle until all safety precautions have been read and understood. |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                                                                                           |

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

- |                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| Storage conditions  | : 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 | : Ensure good ventilation of the work station. |
| Environmental exposure controls  | : Avoid release to the environment.            |

### 8.3. Individual protection measures

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

#### Eye protection:

Wear security glasses which protect from splashes

#### Skin and body protection:

Wear suitable protective clothing

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### 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                                  | : Solid                                                                                                                                     |
| Appearance                                      | : Dusty powder.                                                                                                                             |
| Colour                                          | : Black                                                                                                                                     |
| Odour                                           | : characteristic                                                                                                                            |
| Odour threshold                                 | : Not available                                                                                                                             |
| pH                                              | : Not available                                                                                                                             |
| Melting point                                   | : Not available                                                                                                                             |
| Freezing point                                  | : Not applicable                                                                                                                            |
| Boiling point                                   | : Not available                                                                                                                             |
| Flash point                                     | : Not applicable                                                                                                                            |
| Relative evaporation rate (butylacetate=1)      | : Not available                                                                                                                             |
| Flammability                                    | : Not available                                                                                                                             |
| Explosive limits                                | : Not applicable<br>50 – 70 g/m <sup>3</sup>                                                                                                |
| Vapour pressure                                 | : Not available                                                                                                                             |
| Relative vapour density at 20°C                 | : Not applicable                                                                                                                            |
| Relative density                                | : Not available                                                                                                                             |
| Density                                         | : 1.51 g/cm <sup>3</sup>                                                                                                                    |
| Solubility                                      | : Insoluble in water, partially soluble in some solvents and thinners oxygen as acetone, ethyl acetate, methyl ethyl, ketone, among others. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                                                                                                             |
| Auto-ignition temperature                       | : Not applicable                                                                                                                            |
| Decomposition temperature                       | : 300 °C                                                                                                                                    |
| Viscosity, kinematic                            | : Not applicable                                                                                                                            |
| Particle size                                   | : 25 — 60 µm                                                                                                                                |
| Particle size distribution                      | : Not available                                                                                                                             |
| Particle shape                                  | : Not available                                                                                                                             |
| Particle aspect ratio                           | : Not available                                                                                                                             |
| Particle specific surface area                  | : Not available                                                                                                                             |

### HYDROGENATED CASTOR OIL8001-78-3

|               |                                                                         |
|---------------|-------------------------------------------------------------------------|
| Boiling point | 300 °C Source: International Uniform Chemical Information DatabaseIUCID |
| Flash point   | 300 °C Source: International Uniform Chemical Information DatabaseIUCID |

### HARDNER HYDROXYALKYLAMIDE6334-25-4

|               |                           |
|---------------|---------------------------|
| Boiling point | 607.7 °C Source: lookchem |
| Flash point   | 321.3 °C Source: lookchem |

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

VOC Total (g/l) : 0 g/l  
VOC Total (lb/gal) : 0 lb/gal

### 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 : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Incompatible materials : No additional information available.  
Possibility of hazardous reactions : None under normal use.  
Reactivity : The product is non-reactive under normal conditions of use, storage and transport.  
Handling temperature : No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

#### POLITHERM 29 TF R SM PAC BLACK UL W RAL 9005 MA

|               |                          |
|---------------|--------------------------|
| ATE BR (oral) | 8771.93 mg/kg bodyweight |
|---------------|--------------------------|

#### BARIUM SULFATE CHARGE (7727-43-7)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 3000 mg/kg |
|---------------|--------------|

#### HYDROGENATED CASTOR OIL (8001-78-3)

|               |                            |
|---------------|----------------------------|
| LD50 oral rat | > 20000 mg/kg Source: ECHA |
|---------------|----------------------------|

|                 |                           |
|-----------------|---------------------------|
| LD50 dermal rat | > 2000 mg/kg Source: ECHA |
|-----------------|---------------------------|

Skin corrosion/irritation : Not available

#### BARIUM SULFATE CHARGE (7727-43-7)

|    |          |
|----|----------|
| pH | 8.5 – 10 |
|----|----------|

Serious eye damage/irritation : Not available

#### BARIUM SULFATE CHARGE (7727-43-7)

|    |          |
|----|----------|
| pH | 8.5 – 10 |
|----|----------|

Respiratory or skin sensitisation : Not available  
Germ cell mutagenicity : Not available  
Carcinogenicity : Not available  
Reproductive toxicity : Not available  
STOT-single exposure : Not available  
STOT-repeated exposure : Not available  
Aspiration hazard : Not available

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### POLITHERM 29 TF R SM PAC BLACK UL W RAL 9005 MA

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

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

|                                     |                                                                                                                                                                                                                                                |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.                                                                                                                      |
| Symptoms/effects after eye contact  | : None under normal conditions. Dust from this product may cause eye irritation.                                                                                                                                                               |
| Symptoms/effects after ingestion    | : None under normal conditions.                                                                                                                                                                                                                |

## SECTION 12: Ecological information

### 12.1. Toxicity

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

#### BARIUM SULFATE CHARGE7727-43-7

|                      |                              |
|----------------------|------------------------------|
| EC50 - Crustacea [1] | 32 mg/l Source: ECOTOX       |
| EC50 96h - Algae [1] | 1890.263 mg/l Source: ECOSAR |

#### HYDROGENATED CASTOR OIL8001-78-3

|                      |                           |
|----------------------|---------------------------|
| LC50 - Fish [1]      | > 10000 mg/l Source: ECHA |
| EC50 - Crustacea [1] | > 100 mg/l Source: ECHA   |
| ErC50 algae          | > 0.01 mg/l Source: ECHA  |

#### HARDNER HYDROXYALKYLAMIDE6334-25-4

|                      |                              |
|----------------------|------------------------------|
| EC50 96h - Algae [1] | 29.401 mg/l Source: EPISUITE |
|----------------------|------------------------------|

### 12.2. Persistence and degradability

#### POLITHERM 29 TF R SM PAC BLACK UL W RAL 9005 MA

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

### 12.3. Bioaccumulative potential

#### HYDROGENATED CASTOR OIL8001-78-3

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | 18.75 Source: ECHA |
|-------------------------------------------------|--------------------|

#### HARDNER HYDROXYALKYLAMIDE6334-25-4

|                                                 |                        |
|-------------------------------------------------|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -3.82 Source: EPISUITE |
|-------------------------------------------------|------------------------|

### 12.4. Mobility in soil

#### HARDNER HYDROXYALKYLAMIDE6334-25-4

|                  |                     |
|------------------|---------------------|
| Mobility in soil | 10 Source: EPISUITE |
|------------------|---------------------|

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### 12.5. Other adverse effects

Hazardous to the ozone layer : Not available

## SECTION 13: Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
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>                     |               |               |
| Not regulated for transport          |               |               |
| <b>UN Proper Shipping Name</b>       |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Transport hazard class(es)</b>    |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Danger labels</b>                 |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Subsidiary risk</b>               |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Risk Number</b>                   |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Packing group</b>                 |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Special provisions</b>            |               |               |
| Not regulated                        | Not regulated | Not regulated |
| <b>Dangerous for the environment</b> |               |               |
| Not regulated                        | Not regulated | Not regulated |

### 14.2 Other information

No additional information available

## SECTION 15: Regulatory information

### 15.1. National regulations

Brazil Local Regulations : Standard ABNT NBR 14725.

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

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

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

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

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

## SECTION 16: Other information

### Abbreviations and acronyms

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

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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