



# POLITHERM 47 WF R SM BLACK 70363 BR

## Safety Data Sheet

According to the NOM-018-STPS-2015  
Issue date: 7/13/2026 Version: 1.0

### SECTION 1: Identification of the hazardous chemical or mixture and of the supplier or manufacturer

#### 1.1. GHS product identifier

Product form : Mixture  
Trade name : POLITHERM 47 WF R SM BLACK 70363 BR  
Product code : 19530814

#### 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

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### 1.5. Emergency phone number

Emergency number

:  
**EMERGENCIA 24 HORAS - AMBIPAR** 0800 117 2020  
**CHEMTREC número internacional** +1-703-527-3887 e 1-800-424-9300

| País               | Ciudad        | Número Local     | Número gratuito |
|--------------------|---------------|------------------|-----------------|
| Chile              | Santiago      | +56 2 2581 4934  |                 |
| Colombia           | Bogota        | +57 601 7942539  |                 |
| Costa Rica         |               | 506-40003869     |                 |
| Dominican Republic | Santo Domingo | 1 (829) 956-7588 |                 |
| El Salvador        | San Salvador  | +503 2136 7633   |                 |
| Mexico             |               |                  | 800-681-9531    |
| Mexico             | Mexico City   | +52 55 8526 4930 |                 |
| Panama             |               | +507-832-2475    |                 |
| Peru               | Lima          | +51-1 7071295    |                 |
| Spain              | Barcelona     | +34-931768545    |                 |
| Spain              |               |                  | 900-868 538     |
| Switzerland        |               |                  | 0800 564 402    |
| Switzerland        | Zurich        | 41-435082011     |                 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS MX classification

|                     |      |                                                                    |
|---------------------|------|--------------------------------------------------------------------|
| Acute Tox. 5 (Oral) | H303 | May be harmful if swallowed.                                       |
| Eye Dam. 1          | H318 | Causes serious eye damage.                                         |
| Skin Sens. 1        | H317 | May cause an allergic skin reaction.                               |
| Muta. 1B            | H340 | May cause genetic defects.                                         |
| STOT RE 2           | H373 | May cause damage to organs through prolonged or repeated exposure. |

Full text of hazard classes and H-statements : see section 16

### 2.2. Label elements

#### GHS MX labelling

Hazard pictograms (GHS MX)



Signal word (GHS MX)

: Danger

Hazard statements (GHS MX)

: H303 - May be harmful if swallowed  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H340 - May cause genetic defects.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary statements (GHS MX)

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P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
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/attention.  
P310 - Immediately call a POISON CENTER or doctor.  
P312 - Call a POISON CENTER or doctor if you feel unwell.  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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

No additional information available

## SECTION 3: Composition/information on ingredients

### Mixtures

| Name                       | Product identifier | Conc.<br>(% w/w) | GHS MX classification                                                                                                                                                  |
|----------------------------|--------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HARDENER POLYESTER 100-108 | CAS-No.: 2451-62-9 | 1 – 5            | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Inhalation), H331<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Muta. 1B, H340<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412 |

## 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.                                                                                                             |
| Self protection of the first-aiders   | : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).                                |

### 4.2. Most important symptoms/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.                                                                                                                                                               |

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Symptoms/effects after ingestion : None under normal conditions.

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

No additional information available

## 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.

### 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: Measures to be taken in case of accidental spillage or accidental leakage

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

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

#### 6.1.1. For non-emergency personnel

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

#### 6.1.2. For emergency responders

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

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material 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.

## 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 : Keep only in original container. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.

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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 : Protect from sunlight.  
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.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

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  
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. Information on basic physical and chemical properties

Physical state : Solid  
Appearance : Dusty powder.  
Colour : Black  
Odour : characteristic  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Flammability (solid, gas) : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : 300 °C  
Vapour pressure : No data available  
Relative vapour density at 20°C : No data available  
Relative density : No data available  
Density : 1.48 g/cm<sup>3</sup>  
Solubility : Not soluble in water alone.  
Partition coefficient n-octanol/water (Log Pow) : No data available

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According to the NOM-018-STPS-2015

|                                                 |                            |
|-------------------------------------------------|----------------------------|
| Partition coefficient n-octanol/water (Log Kow) | : No data available        |
| Viscosity, dynamic                              | : No data available        |
| Explosive properties                            | : No data available        |
| Oxidising properties                            | : No data available        |
| Explosive limits                                | : 50 – 70 g/m <sup>3</sup> |
| Particle size                                   | : 25 — 60 µm               |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                                |
|-----------------------------|--------------------------------|
| Acute toxicity (oral)       | : May be harmful if swallowed. |
| Acute toxicity (dermal)     | : Not classified               |
| Acute toxicity (inhalation) | : Not classified               |

| HARDENER POLYESTER 100-108 (2451-62-9) |                                                                |
|----------------------------------------|----------------------------------------------------------------|
| LD50 oral rat                          | 200 mg/kg Source: Existing Chemical Safety Safety Test of NIER |
| LD50 dermal rat                        | > 2000 mg/kg Source: IPCS                                      |
| LC50 Inhalation - Rat (Dust/Mist)      | 0.65 mg/l                                                      |

|                                   |                                                                      |
|-----------------------------------|----------------------------------------------------------------------|
| Skin corrosion/irritation         | : Not classified                                                     |
| Serious eye damage/irritation     | : Causes serious eye damage.                                         |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.                               |
| Germ cell mutagenicity            | : May cause genetic defects.                                         |
| Carcinogenicity                   | : Not classified                                                     |
| Reproductive toxicity             | : Not classified                                                     |
| STOT-single exposure              | : Not classified                                                     |
| STOT-repeated exposure            | : May cause damage to organs through prolonged or repeated exposure. |

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### HARDENER POLYESTER 100-108 (2451-62-9)

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

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

### HARDENER POLYESTER 100-108 (2451-62-9)

|                      |                           |
|----------------------|---------------------------|
| LC50 - Fish [1]      | > 77 mg/l Source: ECHA    |
| EC50 72h - Algae [1] | 29 – 30 mg/l Source: ECHA |

### 12.2. Persistence and degradability

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

### HARDENER POLYESTER 100-108 (2451-62-9)

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

### 12.3. Bioaccumulative potential

### HARDENER POLYESTER 100-108 (2451-62-9)

|                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.8 Source: National Library of Medicine/Hazardous Substances Data BankNLM/HSDB |
|-------------------------------------------------|----------------------------------------------------------------------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Waste treatment methods : Must follow special treatment according to local regulation.

## SECTION 14: Transport information

In accordance with NOM / UN RTDG / IMDG / IATA

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| NOM                                     | UN RTDG        | IMDG           | IATA           |
|-----------------------------------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.2. Proper Shipping Name</b>       |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |

### 14.6. Special precautions for user

#### NOM

Not applicable

#### UN RTDG

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

No additional information available

#### 15.2. International regulations

No additional information available

## SECTION 16: Other information including those related to the preparation and updating of safety data sheets

Issue date : 7/13/2026

### Full text of hazard classes and H-statements

Acute Tox. 3  
(Inhalation)

Acute toxicity (inhal.), Category 3

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| Full text of hazard classes and H-statements |                                                                    |
|----------------------------------------------|--------------------------------------------------------------------|
| Acute Tox. 3<br>(Oral)                       | Acute toxicity (oral), Category 3                                  |
| Acute Tox. 5<br>(Oral)                       | Acute toxicity (oral), Category 5                                  |
| Aquatic Chronic 3                            | Hazardous to the aquatic environment – Chronic Hazard, Category 3  |
| Eye Dam. 1                                   | Serious eye damage/eye irritation, Category 1                      |
| Muta. 1B                                     | Germ cell mutagenicity, Category 1B                                |
| Skin Sens. 1                                 | Skin sensitisation, Category 1                                     |
| STOT RE 2                                    | Specific target organ toxicity – Repeated exposure, Category 2     |
| H301                                         | Toxic if swallowed.                                                |
| H303                                         | May be harmful if swallowed                                        |
| H317                                         | May cause an allergic skin reaction.                               |
| H318                                         | Causes serious eye damage.                                         |
| H331                                         | Toxic if inhaled.                                                  |
| H340                                         | May cause genetic defects.                                         |
| H373                                         | May cause damage to organs through prolonged or repeated exposure. |
| H412                                         | Harmful to aquatic life with long lasting effects.                 |

Safety Data Sheet (SDS), Mexico

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.