

POLITHERM 46 WF R ME- GRAY EBONY CHROME 11691 MA



Safety Data Sheet

According to ABNT NBR 14725: 2023
Issue date: 4/16/2026 Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : POLITHERM 46 WF R ME- GRAY EBONY CHROME 11691 MA
Product code : 19370037
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 :

| | | | |
|--------------------------------------|-------------|----------------------------------|-------------------------|
| 24-HOUR EMERGENCY - AMBIPAR | | 0800 117 2020 | |
| CHEMTREC international number | | +1-703-527-3887 e 1-800-424-9300 | |
| Country | City | Local Number | Toll-Free Number |
| Austria | Vienna | +43-1-3649237 | |
| Austria | | | 0800 293702 |
| China | | 400 120 4937 | |
| France | | +33-975181407 | |

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| | | | |
|----------------|-----------|------------------|------------------|
| Germany | | | 0800-181-7059 |
| 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)

Acute toxicity (oral), Category 5

Serious eye damage/eye irritation, Category 1

Skin sensitisation, Category 1

Germ cell mutagenicity, Category 1B

Hazardous to the aquatic environment - Acute Hazard, Category 3

Hazardous to the aquatic environment - Chronic Hazard, Category 3

2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H303 - May be harmful if swallowed

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H340 - May cause genetic defects.

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.

P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.

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 or attention.

P310 - Immediately call a POISON CENTER or a doctor.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

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.

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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 Aquatic Acute 3, H402 Aquatic Chronic 3, H412 |
| TRIGLYCIDYL ISOCYANURATE | CAS-No.: 2451-62-9 | 5 – 10 | Acute Tox. 3 (Oral), H301 Acute Tox. 5 (Dermal), H313 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:dust,mist), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 1B, H340 STOT RE 2, H373 Aquatic Acute 3, H402 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 | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse eyes with water as a precaution. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects, acute and delayed

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. |
| 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

| | |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

| | |
|--------------------------------|------------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

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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 from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

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 | : Ventilate spillage area. |

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Using a clean shovel, put the material in a dry container and cover without compressing it. |
| Methods for cleaning up | : Mechanically recover the product. |
| 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. |
| 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

| | |
|---------------------|---|
| Technical measures | : Keep in a cool, well-ventilated place away from heat. |
| Storage conditions | : Keep cool. 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

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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:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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 | : Grey |
| 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 |
| | 50 – 70 g/m ³ |
| Vapour pressure | : Not available |
| Relative vapour density at 20°C | : Not applicable |
| Relative density | : Not available |
| Density | : 1.58 g/cm ³ |
| 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 |

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| | |
|--------------------------------|------------------|
| 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 |

TRIGLYCIDYL ISOCYANURATE2451-62-9

| | |
|---------------------------|---|
| Boiling point | > 240 °C Atm. press.: 103500 Pa Decomposition: 'yes' Decomp. temp.: 240 °C |
| Flash point | > 148 °C Source: American Conference of Governmental Industrial HygienistsACGIH |
| Auto-ignition temperature | 200 °C |
| Vapour pressure | < 0.072 Pa at 20 °C Source: ChemIDplus |

9.2. Data relevant with regard to physical hazard classes

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. |
| Conditions to avoid | : None under recommended storage and handling conditions (see section 7). |
| 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 | : No dangerous reactions known under normal conditions of use. |
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |
| Handling temperature | : No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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| | |
|---------------|---------------------------|
| ATE BR (oral) | 2768.856 mg/kg bodyweight |
|---------------|---------------------------|

BARIUM SULFATE CHARGE (7727-43-7)

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

TRIGLYCIDYL ISOCYANURATE (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 available

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BARIUM SULFATE CHARGE (7727-43-7)

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

Serious eye damage/irritation : Causes serious eye damage.

BARIUM SULFATE CHARGE (7727-43-7)

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

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : Not available

Reproductive toxicity : Not available

STOT-single exposure : Not available

STOT-repeated exposure : Not available

TRIGLYCIDYL ISOCYANURATE (2451-62-9)

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

Aspiration hazard : Not available

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

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

Symptoms/effects after inhalation : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure.

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 : 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) : Harmful to aquatic life.

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

BARIUM SULFATE CHARGE 7727-43-7

| | |
|----------------------|------------------------|
| EC50 - Crustacea [1] | 32 mg/l Source: ECOTOX |
|----------------------|------------------------|

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

TRIGLYCIDYL ISOCYANURATE 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 |
|-------------------------------|------------------------|

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BARIUM SULFATE CHARGE7727-43-7

Persistence and degradability : Not rapidly degradable

TRIGLYCIDYL ISOCYANURATE2451-62-9

Persistence and degradability : Not rapidly degradable

12.3. Bioaccumulative potential

TRIGLYCIDYL ISOCYANURATE2451-62-9

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

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 : Dispose of contents/container in accordance with licensed collector's sorting instructions.
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 |
|-----------------------------------|---------------|---------------|
| UN number | | |
| Not regulated for transport | | |
| UN Proper Shipping Name | | |
| Not regulated | Not regulated | Not regulated |
| Transport hazard class(es) | | |
| Not regulated | Not regulated | Not regulated |
| Danger labels | | |
| Not regulated | Not regulated | Not regulated |
| Subsidiary risk | | |
| Not regulated | Not regulated | Not regulated |
| Risk Number | | |
| Not regulated | Not regulated | Not regulated |
| Packing group | | |
| Not regulated | Not regulated | Not regulated |

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| Special provisions | | |
|-------------------------------|---------------|---------------|
| Not regulated | Not regulated | Not regulated |
| Dangerous for the environment | | |
| Not regulated | Not regulated | Not regulated |

14.2 Other informations

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

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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