

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

## Safety Data Sheet

According to ABNT NBR 14725: 2023  
Issue date: 6/2/2026 Version: 1.0



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB  
Product code : 19468877  
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

#### WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |

Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

19468877

## Safety Data Sheet

According to ABNT NBR 14725: 2023

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)

Chemical product not classified as hazardous according to ABNT NBR 14725

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

#### GHS BR labelling

No labelling applicable

### 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
HARDNER HYDROXYALKYLAMIDE	CAS-No.: 6334-25-4	1 – 5	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	: 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.

#### WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |

Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

19468877

## Safety Data Sheet

According to ABNT NBR 14725: 2023

### 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
--------------------	-------------------------

## 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: Accidental release measures

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

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
------------------	---

#### 6.1.1. For non-emergency personnel

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

#### 6.1.2. For emergency responders

Protective equipment	: 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 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.

#### WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |

Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

19468877

## Safety Data Sheet

According to ABNT NBR 14725: 2023

### 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.
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

##### 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. Basic physical and chemical properties

Physical state	: Solid
----------------	---------

##### WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |

Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

19468877

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Appearance	: Dusty powder.
Colour	: Grey
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: 50 – 70 g/m <sup>3</sup>
Vapour pressure	: Not available
Relative vapour density at 20°C	: Not applicable
Relative density	: Not available
Density	: 1.49 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 µm
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle specific surface area	: Not available

### HARDNER HYDROXYALKYLAMIDE6334-25-4

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

## 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 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

### WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |

Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

19468877

## Safety Data Sheet

According to ABNT NBR 14725: 2023

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

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

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

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

## 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 : 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.

### BARIUM SULFATE CHARGE 7727-43-7

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

### HARDNER HYDROXYALKYLAMIDE 6334-25-4

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

### 12.2. Persistence and degradability

#### POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

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

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

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

### WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |  
Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

19468877

## Safety Data Sheet

According to ABNT NBR 14725: 2023

### HARDNER HYDROXYALKYLAMIDE6334-25-4

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

### 12.3. Bioaccumulative potential

### 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
------------------	---------------------

### 12.5. Other adverse effects

Hazardous to the ozone layer : Not available

## SECTION 13: Disposal considerations

Waste treatment methods	: Must follow special treatment according to local regulation.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

## SECTION 14: Transport information

### 14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

ANTT	IMDG	IATA
<b>UN number</b>		
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

WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |

Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# POLITHERM 29 TF R SM GRAY UL W RAL 7012 SB

19468877

## Safety Data Sheet

According to ABNT NBR 14725: 2023

### Dangerous for the environment

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.
- 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.

### WEG TINTAS LTDA – GRUPO WEG.

Guaramirim-SC | Mauá-SP | Cabo de Santo Agostinho-PE | Betim-MG | Macaé-RJ |

Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)