

# POLITHERM 16 R SM GREY ANSI 61 SM

## Safety Data Sheet

According to ABNT NBR 14725: 2023



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : POLITHERM 16 R SM GREY ANSI 61 SM  
Product code : 18947178  
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
India	Bangalore	+91 8071 279 207	

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India			000 800 1007 141
Italy	Milan	+39-02 4555 7031	
Italy			800 789 767
Netherlands		+31-85 888 0596	
Russia			8(800)100-63-46
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	10 – 20	Acute Tox. 5 (Oral), H303 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
HARDENER POLYESTER 100-108	CAS-No.: 2451-62-9	1 – 5	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
HYDROGENATED CASTOR OIL	CAS-No.: 8001-78-3	0.5 – 1	Acute Tox. 5 (Dermal), H313 Aquatic Acute 1, H400 Aquatic Chronic 4, H413

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### SECTION 4: First-aid measures

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

No additional information available

#### 4.2. Most important symptoms and effects, acute and delayed

No additional information available

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

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

No additional information available

#### 5.2. Specific hazards arising from the chemical

No additional information available

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

No additional information available

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

No additional information available

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

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

No additional information available

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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BARIUM SULFATE CHARGE 7727-43-7	
USA - ACGIH - Occupational Exposure Limits	
Local name	Barium sulfate
ACGIH® TLV® TWA	5 mg/m <sup>3</sup> (I - Inhalable particulate matter, E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica)
Remark (ACGIH)	TLV® Basis: Pneumoconiosis
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Barium sulfate
OSHA PEL TWA	15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures

No additional information available

## 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 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	: 1.84 g/cm <sup>3</sup>
Solubility	: Not soluble in water alone.
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

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HARDENER POLYESTER 100-1082451-62-9	
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

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

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

No additional information available

### 9.3. Further safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

Chemical stability	: No additional information available
Conditions to avoid	: No additional information available
Hazardous decomposition products	: No additional information available
Incompatible materials	: No additional information available
Possibility of hazardous reactions	: No additional information available
Reactivity	: No additional information available
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

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

HYDROGENATED CASTOR OIL (8001-78-3)	
LD50 oral rat	> 20000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA

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

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

pH	8.5 – 10
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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

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

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard	: Not available
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## 11.2. Most important symptoms and effects, both acute and delayed

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not available
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Hazardous to the aquatic environment, long-term (chronic)	: Not available
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### HARDENER POLYESTER 100-1082451-62-9

LC50 - Fish [1]	> 77 mg/l Source: ECHA
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EC50 72h - Algae [1]	29 – 30 mg/l Source: ECHA
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### HYDROGENATED CASTOR OIL8001-78-3

LC50 - Fish [1]	> 10000 mg/l Source: ECHA
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EC50 - Crustacea [1]	> 100 mg/l Source: ECHA
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ErC50 algae	> 0.01 mg/l Source: ECHA
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### BARIUM SULFATE CHARGE7727-43-7

EC50 - Crustacea [1]	32 mg/l Source: ECOTOX
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EC50 96h - Algae [1]	1890.263 mg/l Source: ECOSAR
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### 12.2. Persistence and degradability

#### POLITHERM 16 R SM GREY ANSI 61 SM

Persistence and degradability	Not rapidly degradable
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#### HARDENER POLYESTER 100-1082451-62-9

Persistence and degradability	Not rapidly degradable
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#### HYDROGENATED CASTOR OIL8001-78-3

Persistence and degradability	Not rapidly degradable
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#### BARIUM SULFATE CHARGE7727-43-7

Persistence and degradability	Not rapidly degradable
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### 12.3. Bioaccumulative potential

HARDENER POLYESTER 100-1082451-62-9	
Partition coefficient n-octanol/water (Log Pow)	-0.8 Source: National Library of Medicine/Hazardous Substances Data BankNLM/HSDB
HYDROGENATED CASTOR OIL8001-78-3	
Partition coefficient n-octanol/water (Log Pow)	18.75 Source: ECHA

### 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

No additional information available

## SECTION 14: Transport information

### 14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

ANTT	IMDG	IATA
<b>UN number</b>		
Not applicable	Not applicable	Not applicable
<b>UN Proper Shipping Name</b>		
Not applicable	Not applicable	Not applicable
<b>Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>Danger labels</b>		
Not applicable	Not applicable	Not applicable
<b>Subsidiary risk</b>		
Not applicable	Not applicable	Not applicable
<b>Risk Number</b>		
Not applicable	Not applicable	Not applicable
<b>Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>Special provisions</b>		
Not applicable	Not applicable	Not applicable
<b>Dangerous for the environment</b>		
Not applicable	Not applicable	Not applicable

### 14.2 Other informations

No additional information available

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### SECTION 15: Regulatory information

#### 15.1. National regulations

No additional information available

### SECTION 16: Other information

Abbreviations and acronyms	: CAS-No. - Chemical Abstract 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
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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.