

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

Safety Data Sheet

According to ABNT NBR 14725: 2023



SECTION 1: Identification

1.1. GHS Product identifier

Product form	: Mixture
Trade name	: POLITHERM 86 WFS R ME BLACK W RAL 7021 UM
Product code	: 18960057
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	
		Germany	
			0800-181-7059
		India	Bangalore
		+91 8071 279 207	

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 - www.weg.net

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

18960057

Safety Data Sheet

According to ABNT NBR 14725: 2023

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)
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
Pigment Blue 15	CAS-No.: 147-14-8	1 – 5	Aquatic Acute 3, H402 Aquatic Chronic 4, H413
HYDROGENATED CASTOR OIL	CAS-No.: 8001-78-3	0.5 – 1	Acute Tox. 5 (Dermal), H313 Aquatic Acute 1, H400 Aquatic Chronic 4, H413

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 - www.weg.net

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

18960057

Safety Data Sheet

According to ABNT NBR 14725: 2023

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

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 - www.weg.net

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

18960057

Safety Data Sheet

According to ABNT NBR 14725: 2023

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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	: Black
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 ³
Vapour pressure	: Not available
Relative vapour density at 20°C	: Not applicable
Relative density	: Not available
Density	: 1.66 g/cm ³
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

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

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 - www.weg.net

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

18960057

Safety Data Sheet

According to ABNT NBR 14725: 2023

Pigment Blue 15147-14-8

Auto-ignition temperature	356 °C Source: ECHA
Vapour pressure	< 0 hPa at 20°C Source: ECHA

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

Pigment Blue 15 (147-14-8)

LD50 oral rat	> 6400 mg/kg Source: ECHA
LD50 dermal rat	> 5000 mg/kg Source: ECHA

Skin corrosion/irritation	: Not available
---------------------------	-----------------

Pigment Blue 15 (147-14-8)

pH	6 – 9
----	-------

Serious eye damage/irritation	: Not available
-------------------------------	-----------------

Pigment Blue 15 (147-14-8)

pH	6 – 9
----	-------

Respiratory or skin sensitisation	: Not available
Germ cell mutagenicity	: Not available
Carcinogenicity	: 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 - www.weg.net

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

18960057

Safety Data Sheet

According to ABNT NBR 14725: 2023

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.
------------------------	--

Aspiration hazard : Not available

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

HARDENER POLYESTER 100-1082451-62-9

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

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

Pigment Blue 15147-14-8

LC50 - Fish [1]	≥ 100 mg/l Source: ECHA
EC50 72h - Algae [1]	> 100 mg/l Source: ECHA

12.2. Persistence and degradability

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

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

HARDENER POLYESTER 100-1082451-62-9

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

HYDROGENATED CASTOR OIL8001-78-3

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

Pigment Blue 15147-14-8

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

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
---	--

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 - www.weg.net

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

18960057

Safety Data Sheet

According to ABNT NBR 14725: 2023

HYDROGENATED CASTOR OIL8001-78-3

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

Pigment Blue 15147-14-8

Partition coefficient n-octanol/water (Log Pow)	6.6 Source: 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

No additional information available

SECTION 14: Transport information

14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

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

14.2 Other informations

No additional information 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 - www.weg.net

POLITHERM 86 WFS R ME BLACK W RAL 7021 UM

18960057

Safety Data Sheet

According to ABNT NBR 14725: 2023

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

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 - www.weg.net