

# POLITHERM 20 R SM ORANGE W RAL 2003 BR



## Safety Data Sheet

according to ABNT NBR 14725-4  
Issue date: 1/18/2024 SAP export date: 1/18/2024 Version: 1.0

### SECTION 1: Identification of Product and Company

#### 1.1. Product identifier

Trade name : POLITHERM 20 R SM ORANGE W RAL 2003 BR  
Product code : 11413248  
Recommended use : Electrostatic powder paint for surface coating.

#### 1.2. Company identification

PAUMAR S.A. INDÚSTRIA E COMÉRCIO - GRUPO WEG  
Rodovia BR 280 - km 50 CEP 89270-000, Guaramirim - Santa Catarina - Brasil

Emergency number :  
**SPILL/TOXICOLOGY WGRA** 0800 720 8000  
**CHEMTREC international number** + 1 703-741-5970

Country	City	Local Number	Toll-Free Number
Austria	Vienna	43-13649237	
China		4001-204937	
France		33-975181407	
Germany	Frankfurt	49-69643508409	0800-181-7059
India		000-800-100-7141	000-800-100-7141
Italy	Milan	39-0245557031	800-789-767
Italy		800-789-767	
Netherlands		31-858880596	
Russia		8-800-100-6346	8-800-100-6346
South Africa		0-800-983-611	0-800-983-611
United Kingdom	London	44-870-8200418	
United Kingdom		44-2038073798	
South korea			080-880-0468
Japan	tokyo		0800-300-5842

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to GHS BR (ABNT NBR 14725)

Hazardous to the aquatic environment – Chronic Hazard, Category 3

#### 2.2. Label elements

##### GHS BR labelling

Hazard statements (GHS BR) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (GHS BR) : P273 - Avoid release to the environment.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards not contributing to the classification

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	Conc.
BARIUM SULFATE CHARGE	CAS-No.: 7727-43-7	10 – 20
ANTIOXIDANT ADDITIVE	CAS-No.: 36443-68-2	0.1 – 1

### SECTION 4: First aid measures

#### 4.1. Description of 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.

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

Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an 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

Notes to physician	: Treat symptomatically
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### SECTION 5: Firefighting measures

#### 5.1. 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. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.

#### 5.3. Advice for firefighters

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.

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### SECTION 6: Accidental release measures

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

General measures : May be harmful to aquatic organisms, to flora, to soil organisms. Clean up any spills as soon as possible, using an absorbent material to collect it. 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

Harmful to aquatic life with long lasting effects. Do not allow product to spread into the environment. Do not allow to enter drains or water courses.

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

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it. Stop leak without risks if possible.  
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 : Ensure good ventilation of the work station. Wear personal protective equipment. Keep only in original container. Do not handle until all safety precautions have been read and understood.  
Hygiene measures : Do not eat, drink or smoke when using this product.

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

Technical measures : Store in tightly closed, leak-proof containers.  
Storage conditions : Store in a well-ventilated place. Keep cool.  
Packaging materials : Store always product in container of same material as original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

BARIUM SULFATE CHARGE (7727-43-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Barium sulfate
ACGIH OEL 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 2023
USA - OSHA - Occupational Exposure Limits	
Local name	Barium sulfate

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BARIUM SULFATE CHARGE (7727-43-7)	
OSHA PEL TWA [1]	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. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.3. Personal protective equipment

#### 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:
No respiratory protection needed under normal use conditions

#### 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	:
Odour	: slight
Odour threshold	: Not available
pH	: Not applicable
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 available
Relative density	: Not available
Density	: 1.68 g/cm <sup>3</sup>

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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 available
Decomposition temperature	: 300 °C
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Particle size	: 25 — 60 µm

### 9.2. Other information

Not 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	: No hazardous decomposition products known at room temperature.
Incompatible materials	:
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
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Not available
Skin corrosion/irritation	: Not available pH: Not applicable
Serious eye damage/irritation	: Not available pH: Not applicable
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

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Viscosity, kinematic	Not applicable
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### 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 an 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.

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### 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) : Harmful to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 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 : Law No. 12.305 on the National Policy on Solid Waste Management, 02 August 2010.

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

#### National and international Regulations

ANTT	IMDG	IATA
<b>UN number</b>		
Not applicable	Not applicable	Not applicable
<b>UN Proper Shipping Name</b>		
<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		
<b>Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>Special provisions</b>		
Not applicable	Not applicable	Not applicable

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ANTT	IMDG	IATA
<b>Dangerous for the environment</b>		
No	No	No

### 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 November 3, 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

## 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.

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