

POLITHERM 21 R MT GRAY RAL 7035 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 21 R MT GRAY RAL 7035 BR
Product code : 11114043
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)

Chemical product not classified as hazardous according to ABNT standard 14725

2.2. Label elements

GHS BR labelling

No labelling applicable

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. |
|---|---------------------|---------|
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] | CAS-No.: 13463-67-7 | 10 – 20 |

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

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. |

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. |
|------------------|---|

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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 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 : 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 : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Keep cool. Protect from sunlight.
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] (13463-67-7) | |
|--|--|
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Titanium dioxide |
| ACGIH OEL TWA | 0.2 mg/m ³ (Nanoscale particles. R - Respirable particulate matter) 2.5 mg/m ³ (Finescale particles. R - Respirable particulate matter) |
| Remark (ACGIH) | TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2023 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Titanium dioxide (Total dust) |
| OSHA PEL TWA [1] | 15 mg/m ³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

8.2. Exposure controls

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

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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 | : Grey |
| 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 ³ |
| Vapour pressure | : Not available |
| Relative vapour density at 20°C | : Not available |
| Relative density | : Not available |
| Density | : 1.73 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 |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : 300 °C |
| Viscosity, kinematic | : Not applicable |
| Viscosity, dynamic | : Not applicable |
| Particle size | : 25 — 60 µm |

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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 |

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] (13463-67-7)

| | |
|---------------|--|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity) |
|---------------|--|

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

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. |

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

| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] (13463-67-7) | |
|--|---|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Other aquatic organisms [1] | > 100 mg/l Test organisms (species): |
| LOEC (chronic) | 5 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

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 |
|-----------------------------------|----------------|----------------|
| UN number | | |
| Not applicable | Not applicable | Not applicable |
| UN Proper Shipping Name | | |
| 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 | | |
| Packing group | | |
| Not applicable | Not applicable | Not applicable |

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| ANTT | IMDG | IATA |
|--------------------------------------|----------------|----------------|
| Special provisions | | |
| Not applicable | Not applicable | Not applicable |
| Dangerous for the environment | | |
| 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

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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.

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