

POLITHERM 47 WF R SM LEMON GREEN 50719 BR



Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : POLITHERM 47 WF R SM LEMON GREEN 50719 BR
Product code : 19256363

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

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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 | |
| 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

GHS US classification

| | | | |
|--|------|--|--------------------|
| Serious eye damage/eye irritation, Category 1 | H318 | Causes serious eye damage. | Calculation method |
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction. | Calculation method |
| Germ cell mutagenicity, Category 1B | H340 | May cause genetic defects. | Calculation method |
| Specific target organ toxicity — Repeated exposure, Category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. | Calculation method |

Full text of H-statements: see section 16

2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H340 - May cause genetic defects.

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) :

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust, fume, gas, mist, vapours, spray.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

P302+P352 - If on skin: Wash with plenty of water.

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P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a poison center or doctor.
P314 - Get medical advice or attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|----------------------------|--------------------|-------|---|
| HARDENER POLYESTER 100-108 | CAS-No.: 2451-62-9 | 1 – 5 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation:dust,mist), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 1B, H340 STOT RE 2, H373 |

Full text of hazard classes and H-statements : see section 16

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. People with over sensibility problems are not allowed to work or be exposed to the product.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : If you feel unwell, seek medical advice.

Self protection of the first-aiders : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

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4.2. Most important symptoms/effects, acute and delayed

| | |
|-------------------------------------|--|
| Symptoms/effects | : May cause an allergic skin reaction. Causes serious eye damage. |
| 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 | : Cracking of the skin. Prolonged or repeated contact may cause skin to become dry. |
| Symptoms/effects after eye contact | : Causes serious eye damage. stinging. redness, itching, tears. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. Ingestion may cause nausea and vomiting. |
| Chronic symptoms | : May cause heritable genetic damage. |

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

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) 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 | : In case of fire and/or explosion do not breathe fumes. |
| Explosion hazard | : No direct explosion hazard. |

5.3. Special protective equipment and precautions 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 | : Use self-contained breathing apparatus and chemically protective clothing. |
| Other information | : In case of fire, corrosive and harmful gases come free. |

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Avoid contact with skin and eyes. 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. |
|------------------|---|

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. |

For emergency responders

| | |
|---------------------------|--|
| Protective equipment | : Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection. |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so. |
| Environmental precautions | : Do not allow to enter drains or water courses. Harmful to aquatic life with long lasting effects. Do not allow product to spread into the environment. |

6.2. 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. |
|-----------------|--|

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Methods for cleaning up : Clear up rapidly by scoop or vacuum. Clean up immediately by sweeping or vacuum. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. When heated, material emits highly irritating vapours, affecting the eyes. Ensure good ventilation of the work station. Keep only in original container. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep cool. Protect from sunlight. Store in a well-ventilated place. Keep cool.

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 : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

| |
|---|
| Hand protection: |
| Nitrile rubber gloves. Protective gloves made of PVC |
| Eye protection: |
| Wear closed safety glasses |
| Skin and body protection: |
| Long sleeved protective clothing. Or chemical resistant apron. Safety shoes |
| Respiratory protection: |
| Where exposure through inhalation may occur from use, respiratory protection equipment is recommended |

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Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|-------------------------------|
| Physical state | : Solid |
| Appearance | : Dusty powder. |
| Colour | : Green |
| Odour | : characteristic |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20°C | : No data available |
| Relative density | : No data available |
| Density | : 1.56 g/cm ³ |
| Solubility | : Not soluble in water alone. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : 300 °C |
| Viscosity, kinematic | : No data available |
| Explosive limits | : 50 – 70 g/m ³ |
| Particle characteristics | : Particle size : 25 — 60 µm |

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

No additional information available.

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10.6. Hazardous decomposition products

On exposure to high temperature, may decompose, releasing corrosive gases.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : No data available
Acute toxicity (dermal) : No data available
Acute toxicity (inhalation) : No data 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 |
| ATE US (oral) | 200 mg/kg bodyweight |
| ATE US (dust,mist) | 0.65 mg/l/4h |

Skin corrosion/irritation : No data available

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : No data available

Reproductive toxicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

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

| | |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

Aspiration hazard : No data available

Symptoms/effects : May cause an allergic skin reaction. Causes serious eye damage.

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 : Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.

Symptoms/effects after eye contact : Causes serious eye damage. stinging. redness, itching, tears.

Symptoms/effects after ingestion : May be harmful if swallowed. Ingestion may cause nausea and vomiting.

Chronic symptoms : May cause heritable genetic damage.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

Hazardous to the aquatic environment, short-term (acute) : No data available

Hazardous to the aquatic environment, long-term (chronic) : No data available

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| HARDENER POLYESTER 100-108 (2451-62-9) | |
|--|---------------------------|
| LC50 - Fish [1] | > 77 mg/l Source: ECHA |
| EC50 72h - Algae [1] | 29 – 30 mg/l Source: ECHA |

12.2. Persistence and degradability

| POLITHERM 47 WF R SM LEMON GREEN 50719 BR | |
|---|------------------------|
| Persistence and degradability | Not rapidly degradable |

| HARDENER POLYESTER 100-108 (2451-62-9) | |
|--|------------------------|
| Persistence and degradability | Not rapidly degradable |

12.3. Bioaccumulative potential

| HARDENER POLYESTER 100-108 (2451-62-9) | |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | -0.8 Source: National Library of Medicine/Hazardous Substances Data BankNLM/HSDB |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

| | |
|------------------------------|---|
| Ozone | : No data available |
| Other adverse effects | : May cause pH changes in aqueous ecological systems. Before neutralisation, the product may represent a danger to aquatic organisms. |
| Fluorinated greenhouse gases | : No |

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

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|----------------|----------------|----------------|
| 14.1. UN number | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. Proper Shipping Name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |

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| DOT | TDG | IMDG | IATA |
|--|----------------|----------------|----------------|
| 14.5. Environmental hazards | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not applicable

TDG

Not applicable

IMDG

Not applicable

IATA

Not applicable

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

| | | |
|----------------------------|-------------------|--------|
| HARDENER POLYESTER 100-108 | CAS-No. 2451-62-9 | 1 – 5% |
|----------------------------|-------------------|--------|

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other Information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

| Full text of hazard classes and H-statements | |
|--|-------------------------------------|
| H301 | Toxic if swallowed |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |

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| Full text of hazard classes and H-statements | |
|--|---|
| H331 | Toxic if inhaled |
| H340 | May cause genetic defects. |
| H373 | May cause damage to organs through prolonged or repeated exposure |

| 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 |

Safety Data Sheet (SDS), USA - weg

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.