# Safety Data Sheet

Conforms to Regulation (CE) No. 1907/2006 (REACH)
Amended by Regulation (CE) 2020/878
Conforms to Regulation (CE) No. 1272/2008 (CLP)

Version 4.1
Revision date: 11/2026

## Section 1 - Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Commercial name: MPE GRIGIO L 7011
Code: MLI170110001
Description: Thermosetting powder coating

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Powder coating for electrostatic painting of metal surfaces/objects.
Uses advised against: The product should only be used for industrial and/or professional purposes - it is not intended for any direct use by consumer.

### 1.3. Details of the supplier of the safety data sheet

Company: BULLCREM LACK srl
Registered Office and Plant
Via del lavoro, 20 Cap 31039 Riese Pio X (TV) Italy
Phone: +39 0423 755 547
Fax:
E-mail address of person responsible for this SDS: reach@bullcrem-lack.com

### 1.4. Emergency number

Official national advisory body/Poison control centre

**See the list of Poison Control Centres operating 24 hours a day:**

| | |
|---|---|
| CAV "Ospedale Pediatrico Bambino Gesù" – Roma | Tel. (+39) 06.6859.3726 |
| CAV "Azienda Ospedaliera Università di Foggia" – Foggia | Tel. 800.183.459 |
| CAV "Azienda Ospedaliera A. Cardarelli" – Napoli | Tel. (+39) 081.545.3333 |
| CAV Policlinico "Umberto I" – Roma | Tel. (+39) 06.4997.8000 |
| CAV Policlinico "A. Gemelli" – Roma | Tel. (+39) 06.305.4343 |
| CAV Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica – Firenze | Tel. (+39) 055.794.7819 |
| CAV Centro Nazionale di Informazione Tossicologica – Pavia | Tel. (+39) 0382.24.444 |
| CAV Ospedale Niguarda – Milano | Tel. (+39) 02.66.1010.29 |
| CAV Azienda Ospedaliera Papa Giovanni XXIII – Bergamo | Tel. 800.88.33.00 |
| CAV Centro Antiveleni Veneto – Verona | Tel. 800.011.858 |

Manufacturer emergency telephone number: +39 0423 755 547
(during office hours: 8.00 am -12.00 pm/2.00 pm - 6.00 pm)

## Section 2 - Hazards identification

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

**Classification according to Regulation (EC) No. 1272/2008 (CLP)**

The product is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008 (CLP)

**2.2. Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

This product is not subject to labelling under the criteria of Regulation (EC) No 1272/2008 (CLP)

Hazard pictograms: None

Indications of danger: None

Precautionary statement: None

Special Provisions: EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments: None

**2.3. Other hazards**

This mixture contains no components considered to be Persistent, Bioaccumulative or Toxic (PBT), nor very Persistent and very Bioaccumulative (vPvB) at levels of 0.1% or higher.

Nonetheless, the usual precautions for handling chemical products must be observed at all times. In particular, given that the product is in powder form, avoid contact with eyes, ingestion and inhalation of the dust.

What's more, people with allergies or breathing difficulties should not handle the powder.

The accumulation of fine dust, in the presence of air, leads to the risk of dust explosion.

Irritation to the eyes and respiratory tract may occur due to prolonged exposure to dust.

## Section 3 - Composition/information on ingredients

**3.1. Substances**

Not applicable

**3.2. Mixtures**

**Chemical characterisation**

A mixture of synthetic resins, inert fillers and organic and inorganic pigments

| Chemical name | CAS NO. | EC no. | No. Registration REACH | CLP Classification | Conc. %w/w | Notes |
|---|---|---|---|---|---|---|
| Titanium dioxide | 13463-67-7 | 217-461-0 | 01-2119489379-17 | The product is not considered dangerous in accordance with EC Regulation 1272/2008 (CLP). | >=5% <=15% | V W 10 EUH210 EUH212 |
| PROPYLIDINTRIMETHA-NOL | 77-99-6 | 201-074-9 | 01-211-9486799-10 | Repr.2, H361fd | <=0,3% | (1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| Carbon Black | 1333-86-4 | 215-609-9 | 01-2119384822-32 | The product is not considered dangerous in accordance with EC Regulation 1272/2008 (CLP) | >=0.1% <= 1% | |

**Detailed notes:**

Note V: When the substance is to be placed on the market in the form of fibers (diameter < 3µm, length > 5µm and aspect ratio ≥ 3:1) or particles fulfilling the WHO fiber criteria or in particle form having a modified surface chemistry, the hazardous properties shall be assessed in accordance with Title II of this Regulation, to ascertain whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal route) should be applied.

Note W: it has been observed that the danger of carcinogenicity of the substance arises when the quantity of inhaled respirable dust is such as to significantly compromise the pulmonary mechanisms of expulsion of the particles.

This note aims to describe the particular toxicity of the substance and is not a classification criterion under this Regulation.

Note 10: The classification as an inhalation carcinogen only applies to mixtures in the form of Powders containing ≥ 1% titanium dioxide in the form of, or incorporated into, particles with an aerodynamic diameter ≤ 10µm.

Note (1): substance presenting a danger to health or the environment.

For mixtures containing titanium dioxide:

EUH 210 – Safety data sheet available on request.

EUH 212 – Attention! If used, dangerous respirable dust may form. Do not breathe dust.

See section 16 for explanations of the abbreviations used for H phrases

## Section 4 - First-aid measures

### 4.1. Description of first aid measures

**General advice**

If symptoms persist or if in any doubt, please consult a doctor. Do not administer anything to an unconscious person.

**Skin contact**

Do not use solvents or thinners. Remove/Take off immediately all contaminated clothing.

Immediately wash any areas of the body that have or may have come into contact with the product, using plenty of soap and water.

If skin irritation persists: seek medical advice/attention.

**Inhalation**

Ventilate the area. Avoid breathing in dust.

Dust inhalation can cause wheezing, tightness of the chest, a sore throat and coughing. Seek fresh air. Should irregular breathing or respiratory arrest occur, perform artificial respiration if you have the skills to do so.

If symptoms persist, seek medical advice/attention

**Ingestion**

Do not induce vomiting. Seek medical attention immediately, presenting the Safety Data Sheet.

**Eye Contact**

Remove contact lenses, if worn. Immediately and thoroughly wash with running water, keeping the eyes open, for at least 10 minutes; then protect the eyes with sterile gauze or a clean, dry tissue. Seek medical attention. Do not use eye drops or ointments of any kind prior to visiting or receiving advice from an eye doctor.

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

There are no known effects due to exposure to the product.

**4.3. Indication of any immediate medical attention and special treatment needed**

See Section 4.1.

## Section 5 - Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media**

$CO_2$, foam and chemical powders depending on the materials on fire.

**Unsuitable extinguishing media**

Do not use full or high-pressure water jets. Direct water jets can raise clouds of flammable dust from surrounding storage areas, creating the risk of violent secondary explosions.

**5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products**

The flame produces dense black smoke that contains dangerous products resulting from the combustion. Inhalation of decomposition products may cause damage to one's health.

**Hazardous decomposition products**

In case of fire, carbon monoxide, carbon bioxide, nitrogen oxides may form.

**5.3. Advice for firefighters**

**Fire and explosion hazards**

The solid product is not readily flammable, but may form explosive dust-air mixtures.

**Special protective equipment and procedures to combat fires**

Avoid breathing fumes. Use respiratory protection; use EN137 self-contained breathing apparatus or specific combined filters for fire fumes or gases.

Wear appropriate, fully flame-retardant clothing.

## Section 6 - Accidental release measures

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

**6.1.1 Personal precautions**

Avoid formation of dust and do not inhale dust.

**6.1.2. In case of emergency**

All persons not assigned to emergency operations should leave the affected area. Remove ignition sources.

Use adequate ventilation. Wear protective eyewear, gloves and clothing and pay attention to slippery surfaces in contaminated areas. Do not walk through spilt material.

**6.2. Environmental precautions**

Do not allow the product to go down drains. In the case of contamination of rivers, lakes, sewers or drains, inform the respective competent authorities in accordance with local laws in force.

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

Collect the accidentally-spilled material using a vacuum cleaner ATEX certificated and deposit it in the containers provided for such purpose then dispose of according to local regulations.

Avoid formation of dust.

**6.4. Reference to other sections**

See section 7 for details on safe handling, 8 for personal protection and 13 for information on disposal.

## Section 7 - Handling and storage

**7.1. Precautions for safe handling**

**7.1.1 Warnings for safe use**

Avoid formation and dispersion of dust from the product in the air.

Should dust formation occur, take appropriate measures and prevent the formation of electrostatic charges. Keep away from sources of ignition.

Appropriate individual and collective protection measures are required to safeguard against explosion risks.

Use only earthed tubes or ducts when pouring.

Lighting and electrical devices must comply with the provisions under CEI regulations to prevent the dust coming into contact with hot surfaces, sparks or other sources of ignition.

No smoking.

**7.1.2. Hygiene measures**

Do not consume food or drink whilst handling.

No smoking.

Users of the product must remove contaminated clothing and wash hands and face before entering dining areas.

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

**Storage and container requirements**

Store at a temperature below 30°C in the absence of moisture, in a cool, dry place, protected from direct sunlight, far from heat sources and flammable products.

Affix a no smoking warning.

Lighting and electrical devices must comply with the provisions under CEI regulations to prevent the dust coming into contact with hot surfaces, sparks or other sources of ignition.

Store the product in its original packaging, tightly sealed and stored upright, so as to avoid accidental spillage.

**Instructions for storing together with other products**

Store separately, away from any oxidising and strongly alkaline agents and acidic materials.

Do not store together with explosive, compressed or liquefied products nor those containing pressurized gases, aerosols, flammable liquids, oxidising or toxic non-combustible products nor near contagious products.

**7.3. Specific end use(s)**

See the "Powder Technology Safety Guidelines" (CEPE, 5th edition, 2001).

## Section 8 - Exposure controls/personal protection

**8.1. Control parameters**

Titanium dioxide; CAS: 13463-67-7

- OEL type: National – TWA(8h): 4 mg/m3 - Notes: Respirable aerosol
- OEL type: ACGIH – TWA(8h): 10 mg/m3 - Notes: A4 – LRT irr

**DNEL Exposure Limit Values**

| Substance name | End use | Route of exposure | Potential health effects | Maximum value |
|---|---|---|---|---|
| PROPYLIDINTRIMETHANOL | Workers | Inhalation | Long-term systemic effects | <3.3 mg/m³ |

| | | | | |
|---|---|---|---|---|
| | Workers | Dermal | Long-term systemic effects | <0.94 mg/Kg |

**PNEC values (Predicted No-Effect Concentration)**

| Substance name | Environmental compartment | Maximum value |
|---|---|---|
| | | |
| | | |

**8.2. Exposure controls**

**Personal protective equipment**

**Eye protection**

When dust formation is expected, wear goggles conforming to EN166:2001 and EN170:2002.

**Hand Protection**

Chemical resistant gloves

The selected protective gloves must satisfy the requirements of EU 2016/425 and the EN 374-1 standard deriving therefrom. The suitably of a specific workplace should be discussed with the manufacturers of the protective gloves.

**Skin and body protection**

Dust-proof antistatic protective clothing.

Avoid dust coming into contact with parts of the neck and wrists in consideration of possible skin irritation.

**Respiratory protection**

Adequate respiratory protection is required; upon exposure limits being exceeded, wear a dust mask (Type FFP2), dust filter mask or breathing apparatus.

**Protection measures**

Do not get on skin. Do not breathe dust. When using do not eat, drink or smoke.

**Environmental exposure controls**

Extraction systems must be equipped with high-efficiency filtration systems (e.g., cyclones and bag filters) to ensure the removal of fine dust.

Exhaust from extraction systems must be managed to avoid dispersion into the environment, recovering fine dust if possible, or disposing of it as hazardous waste (see Section 13). Avoid washing work areas with water, which could carry dust into wastewater systems.

## Section 9 - Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| Properties | Value | Method | Notes |
|---|---|---|---|
| Physical state | solid | --- | |
| Colour | grey | --- | |
| Odour | mild | --- | |
| Melting point/freezing point | Not applicable | --- | |
| Boiling point or initial boiling point and boiling range | Not applicable | --- | |

| | | | |
|---|---|---|---|
| Flammability | Not applicable | --- | |
| Lower and upper explosive limit | 30 – 90g/m3 | --- | |
| Flash point | Not applicable | | |
| Auto-ignition temperature | from 450 to 600°C | | |
| Decomposition temperature | >250°C | | |
| minimum ignition energy | from 5 to 20mJ | | |
| Ph | Not applicable | | |
| Viscosity, kinematic | Not applicable | | |
| Water solubility | insoluble | | |
| Solubility in oil | Not applicable | | |
| Partition coefficient n-octanol/water (logarithmic value) | Not applicable | | |
| Vapor pressure | Not applicable | | |
| Density and/or relative density | 1.2 - 1.9gr/cm3 | DIN51757 | |
| Relative vapour density | Not applicable | | |
| Particle size | *D(50) 35-45 | Particle size by laser diffraction | *D(50) average particle |

**9.2. Other information**

None

## Section 10 - Stability and reactivity

**10.1. Reactivity**

There are no known dangerous reactions under normal conditions of use and storage.

**10.2. Chemical stability**

The product is stable under normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

There are no known dangerous reactions under normal conditions of use and storage.

**10.4. Conditions to avoid**

At temperatures above 50°C, the product may partially soften, with the consequent variation in the physical properties which may impact upon its utilisation. Avoid electrostatic charges accumulating. Do not expose the product to humidity.

**10.5. Incompatible materials**

Store away from oxidising agents and strongly alkaline or acidic materials so as to prevent exothermic reactions.

**10.6. Hazardous decomposition products**

If used as per the instructions, the product does not decompose. Toxic gases may be generated upon coming into contact with strong oxidising agents or reductants.

When subjected to high temperatures, dangerous decomposition products may result, including smoke and carbon monoxide.

## Section 11 - Toxicological information

**11.1 Information on toxicological effects**

**Acute toxicity**

Toxicological information regarding the main substances present in the product:
Components: Titanium dioxide; CAS: 13463-67-7
LD50 test - Route: Oral - Species: Rat > 2000 mg/kg - Duration 5 days
LC50 test – Route: Inhalation – Species: Rat > 5 mg/l – Duration: 4h
Components: propylidintrimethanol;
LD50 Test - Route: Oral – Species: Rat 14000 mg/kg

**Skin corrosion/irritation**

Not classified

**Serious eye damage/irritation**

Not classified

**Respiratory or skin sensitisation**

Not classified

**Germ cell mutagenicity**

Not classified

**Carcinogenicity**

Not classified

**Reproductive toxicity**

Not classified

**Specific target organ toxicity (STOT) - single exposure**

Not classified

**Specific target organ toxicity (STOT) - repeated exposure**

Not classified

**Aspiration hazard**

Not classified

**11.2 Information on other hazards**

**Endocrine disrupting properties:**

No endocrine disruptor substances present in concentration >= 0.1%

## Section 12 - Toxicological information

**12.1 Toxicity**

There is no data available on the mixture itself.
Do not dispose of paint residues in the sewer system or waterways, or wherever they may be contaminate groundwater or surface water.
Procedure used to derive the classification pursuant to Regulation (EC) No. 1272/2008(CLP/GHS)

| Substance name | Results | Type | Exposition |
|---|---|---|---|
| Propylidintrimethanol | Acute EC50 13000000 µg/l fresh water<br>Acute LC50 14400000 µg/l sea water | Dafnia-Daphnia Magna<br>Pesce-Cyprinodon variegatus | 48 hours<br>96 hours |

**12.2 Persistence and degradability**

Not applicable

### 12.3 Bioaccumulative potential

| Product name | LogPow | BCF | Potential |
|---|---|---|---|
| Propylidintrimethanol | / | <1 | Low |

**12.4 Mobility in soil**

**Partition coefficient**

**Soil/Water (Koc)**: Not available.

**Mobility:** Not available

**12.5 Results of PBT and vPvB assessment**

This mixture contains no components considered to be Persistent, Bioaccumulative or Toxic (PBT), nor very Persistent and very Bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties**

No endocrine disruptor substances present in concentration >= 0.1%

**12.7 Other adverse effects**

None

## Section 13 - Disposal considerations

**13.1. Waste treatment methods**

**Product**

Under current legislation, the product is classified as **non-hazardous special waste**. The European Waste Catalogue (EWC) code relative to powder coating is the following: 080112.
If possible, salvage or send to authorised plants or incinerators operating under controlled conditions. Avoid dispersing dust into the environment during waste handling operations. Do not dispose of via wastewater or sewage systems to prevent the release of synthetic polymer microparticles.

**Containers**

Packaging retains product residue and should be disposed of as unused product.
Ensure that empty packaging is tightly closed before disposal to prevent accidental release of residual dust.

## Section 14 - Transport information

**14.1. UN number or ID number**

Non-hazardous material according to the regulations on transport.

**14.2. Official UN transport designation**

ADR/RID: Non-dangerous goods
IMDG: Not dangerous goods

**14.3. Transport hazard class(es)**

Non-dangerous goods

**14.4. Packing group**

Non-dangerous goods.

**14.5. Environmental hazards**

ADR/RID: no
IMDG Marine pollutant: no

**14.6. Special precautions for user**

Not applicable

**14.7. Bulk shipping in accordance with IMO acts**

Not applicable.

## Section 15 - Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Legislative Decree 81/2008 et seq. (Consolidated text on workplace health and safety protection).
Legislative Decree 152/2006 et seq. (Environmental consolidated text).
The supply of these synthetic polymer microparticles is subject to the conditions laid down in entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council
Synthetic polymer content 60 – 70%.
Other restrictions: Entry 75 Carbon Black
The product is exempt from the market release ban pursuant to paragraph 5(b) because the synthetic polymer microparticles lose their particulate morphology during industrial application (polymerization/thermal cross-linking).
REACH - List of substances of very high concern candidates for authorisation (Article 59): Not applicable/ Does not contain SVHC substances in concentrations >0.1%.
EC Regulation No.1005/2009 on substances that deplete the ozone layer: Not applicable
Regulation (EC) 2019/1021 on persistent organic pollutants: Not applicable
Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: Not applicable
REACH - list of substances subject to authorisation (Annex XIV): Not applicable
Directive 2012/18/EU (SEVESO III) of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: Not applicable
Directive 2004/42/EC (VOC / Decopaint): Not applicable. The product is a solvent-free, thermosetting powder paint.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out for this product.

## Section 16 - Other information

**16.1. Modifications to the Safety Data Sheet**

This safety data sheet represents version 4.1
Section 8 amended
Section 13 amended
Section 15 amended

**16.2 Abbreviations and acronyms**

PBT: persistent, bioaccumulative and toxic
VPvB: very persistent and very bioaccumulative
LD50: indicates the dose (expressed in milligrams per kilogram of body weight) of a substance that causes the death of 50% of the animals to which the substance was administered
LC50: indicates the environmental concentration of an airborne substance that causes the death of 50% of the animals who were exposed to it for a determined period of time (minutes or hours)
CLP: Classification, Labelling and Packaging
IMDG: International Maritime Code for Dangerous Goods
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
ADR: Agreement concerning the international transport of dangerous goods by road
Repr: Reproductive toxicity

STOT RE: specific target organ toxicity - repeated exposure
OECD: Organisation for Economic Cooperation and Development
EC number: European Community number
SDS: safety data sheet
SVHC: substance of very high concern

**16.3 Complete text descriptions of H statements**

H361fd - Suspected of damaging fertility. Suspected of harming the unborn child.
Repr. 2: Reproductive toxicity - category 2.

**16.4 Further information**

The information contained in this Safety Data Sheet is true and correct to the best of our knowledge regarding the product at the time of publication. Such information is provided with the sole aim of ensuring use, storage, transport and disposal of the product in the best and safest way. This information should not be considered as a guarantee or specification of the quality of the product. It only refers to the material specifically indicated and does not apply if the product is used in combination with other materials or in other processes not specifically indicated in the text of the Safety Data Sheet