



PROTELIM

Safety Data Sheet - SDS (Conf. ABNT NBR 14725)

CERAMIC COATING

Version:
02

Revision Date:
11/01/2024

Developed on:
14/09/2020

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CERAMIC COATING

Application: Coating.

Company: **Protelim Indústria Química de Produtos de Higiene e Limpeza Ltda - ME**
Avenida Henry Ford, nº 962, Mooca, São Paulo – SP. ZIP CODE: 03109-000
Phone/ Fax +55 (11) 2914-4464
E-mail: laboratório@protelim.com.br

Emergency telephone number: 0800-771-3733 or the nearest Health Service.

2. HAZARDS IDENTIFICATION

Product hazard classification: Reproductive and lactation toxicity - Category 1B
Target organ toxicity - Single exposure - Category 1
Target organ toxicity - Single exposure - Category 3
Target organ toxicity - Repeated exposure - Category 1
Target organ toxicity - Repeated exposure - Category 2

Other hazards not resulting in classification: The product poses no other hazards.

Classification system used: **ABNT-NBR 14725: 2023 Standard**
Globally Harmonized System for the Classification and Labelling of Chemicals, UN.

Hazard Pictograms:



Signal word: Warning.

Hazard statements: H360 May damage fertility or the unborn child (fetal malformation) if ingested.
H370 Causes damage to the central nervous system if ingested.
H335 May cause respiratory irritation if inhaled.
H372 Causes damage to the blood system if ingested.
H373 May cause damage to the respiratory system, liver, and spleen if inhaled or ingested.

Precautionary statements: **General:**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.



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Prevention:

P201 Obtain specific instructions before use.

P202 Do not handle the product before you have read and understood all safety precautions.

P260 Do not inhale dust/ fumes/ gases/ mist/ vapours/ aerosols.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink, or smoke while using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Emergency Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P301+P312 IF SWALLOWED: If you feel unwell, contact a POISON CENTER or doctor.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/ shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

P314 If you feel unwell, seek medical advice.

P370+P378 In case of fire: Use alcohol-resistant foam, water spray, dry chemical, or carbon dioxide (CO₂) to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

NR - Not required.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature:

Chemical product prepared based on synthetic polymers, TiO₂, Vehicle, Wetting agent, Solvent, Preservative, and dye.

Substances contributing to the hazard:

Chemical name	Nº CAS	Conc.% (weight)	Note
Isopropyl Alcohol	67-63-0	7 – 15%	
Silicon Dioxide	7631-86-9	0,1 – 3,0%	
Titanium Dioxide	13463-67-7	0,1 – 3,0%	

Other ingredients in this mixture, at the concentration used, do not contribute to the hazard. It does not contain impurities with significant toxicity.



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4. FIRST AID MEASURES

If inhaled: Remove the victim to a ventilated area and keep them at rest in a position that does not hinder breathing. If feeling unwell, contact a Poison Centre or a doctor. Take this SDS.

If case of skin contact: Wash exposed skin with a sufficient amount of water for material removal. In case of skin irritation: Consult a doctor. Take this SDS.

If case eye contact: Flush affected eyes thoroughly with water for at least 15 minutes. If wearing contact lenses, remove them if easy to do. Consult a doctor. Take this SDS.

If swallowed: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. If feeling unwell, contact a Poison Centre or a doctor. Take this SDS.

Most important symptoms and effects, both acute and delayed: Harmful if swallowed. Inhalation of vapours may cause respiratory irritation.

Notes to physician: Provide symptomatic treatment.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Compatible with any fire extinguishing medium.

Specific hazardous during firefighting: None.

Specific extinguishing methods: Contact or mixture with chlorinated materials, peroxides, and acids.

Special protective equipment for firefighters: In large fires, use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use waterproof boots, gloves, and safety goggles.

Environmental precautions: Rinse the area with plenty of water.

Methods and materials for containment and cleaning up: Contain the spill, collect as much as possible, and rinse the area with plenty of water.

Recovery: The spilled product should no longer be used. For disposal, check federal, state, and local regulations and restrictions.



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7. HANDLING AND STORAGE

Appropriate technical measures for safe handling

Precautions for safe handling:

Handle in a ventilated area using the PPE described in section 8.

Hygiene measures:

Contaminated clothing should be changed and washed before reuse. Remove contaminated clothing and protective equipment before entering food areas.

Safe storage conditions, including any incompatibilities

Fire and explosion prevention:

Product is not flammable. No fire or explosion hazard is expected.

Storage:

Keep containers tightly closed in a cool place, avoid excessive stacking.

Proper storage conditions:

Store in original, tightly closed containers in ventilated areas. Handle with original packaging and keep away from the weather on pallets.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters:

Not established for the mixture.

Engineering control measures:

Maintain adequate ventilation.

Eye/face protection:

Wide-vision chemical safety goggles.

Skin protection:

Waterproof gloves, safety footwear, and normal work clothing.

Respiratory protection:

None in ventilated environments.

Thermal hazards:

No thermal hazards presented.

9. PHYSICAL AND CHEMICAL PROPERTIES

pH: 4.2 a 5.5

Distillation range: no data available.

Physical state: Opaque Liquid.

Flash point: no data available.

Odour: Characteristic.

Vapor pressure: no data available.

Colour: Pink.

Evaporation rate: no data available.

Density: 0.99 +/- 0.01 g/cm³

Vapor density: no data available.

Solubility: Total in water.

Decomposition temperature: no data available.

Viscosity: no data available.

Explosivity limits:

Melting point: no data available.

LEL (lower explosive limit): no data available.

Boiling point: no data available.

UEL (Upper explosive limit): no data available.

10. STABILITY AND REACTIVITY

Stability and reactivity:

Product is stable under normal handling and storage conditions.

Hazardous reactions:

No hazardous reactions are known for this product.



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Conditions to avoid:	Areas with high temperatures.
Incompatible materials:	No incompatible materials are known.
Hazardous decomposition products:	None. If exposed to fire, after the release of water, it may produce typical combustion gases from organic products.

11. TOXICOLOGICAL INFORMATION


Acute Toxicity:	LD50 (oral, rat): 6200 mg/kg LC50 (inhalation, rat): > 8000 mg/l / 4 h. LD50: (dermal, rabbit): 20000 mg/kg
Skin Corrosion/Irritation:	Direct contact with the product may cause skin irritation.
Serious Eye Damage/Eye Irritation:	Direct contact with the product may cause eye irritation with redness and tearing.
Respiratory or Skin Sensitization:	The product is not expected to cause respiratory or skin sensitization.
Mutagenicity in Germ Cells:	The product is not expected to exhibit mutagenicity in germ cells.
Carcinogenicity:	The product is not expected to exhibit carcinogenicity.
Reproductive Toxicity:	May impair fertility or the fetus if ingested.
Specific Target Organ Toxicity – Single Exposure:	Causes damage to the central nervous system if ingested. May cause respiratory irritation if inhaled.
Specific Target Organ Toxicity – Repeated Exposure:	Causes damage to the blood system if ingested. May cause damage to the respiratory system, liver, and spleen if inhaled or ingested.
Aspiration Hazard:	The product is not expected to present an aspiration hazard.
Ingestion:	Depending on the quantity, it may cause drowsiness and symptoms of intoxication.
Local Effects:	None notable.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not expected to exhibit ecotoxicity.
Persistence/Degradability:	Data not available.
Bioaccumulative Potential:	Data not available.
Soil Mobility:	Not determined.
Other Adverse Effects:	Data not available.

13. DISPOSAL CONSIDERATIONS

Product	Avoid occupational exposure or environmental contamination. The product should be disposed of as waste in accordance with local, state, and federal regulations. Appropriate companies should be contacted prior to disposal
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Waste for residues: Keep the product residues in their original containers and properly sealed. Dispose of by burning in a suitable incinerator. Any disposal method must comply with local legislation and regulations. Do not dispose of in sewage, soil, or anybody or source of water.

Contaminated packaging: Empty containers may contain product residues, which should be taken into consideration before disposal. Keep the packaging with product/residue in a suitable place and properly identified. Do not reuse containers; send them for recycling after washing.

14. TRANSPORT INFORMATION

Terrestrial (railways, highways): Resolution No. 5232/2016 of the National Land Transport Agency (ANTT).

Ship (sea, rivers, lakes): International Maritime Dangerous Goods Code (IMDG code).
Norm 5 of the Directorate of Ports and Coasts of the Ministry of the Navy (DPC).
National Waterway Transportation Agency (ANTAQ).

Air: International Civil Aviation Organization Technical Instructions (ICAO-TI).
International Air Transport Association Dangerous Goods Regulations (IATA-DGR).
National Civil Aviation Agency (ANAC).

Classification: Product not classified as dangerous for transport according to the above regulation.

Hazardous Components: None.

15. REGULATORY INFORMATIONS

Specific Regulations for the chemical product:

Federal Decree No. 2,657, dated July 3, 1998.

ABNT-NBR 14725: 2023 Standard

SANITIZING PRODUCT NOTIFIED TO ANVISA/MS: 25351.813255/2020-38

16. OTHER INFORMATION

This SDS was prepared based on current knowledge about the appropriate handling of the product and under normal conditions of use, according to the specified application on the packaging. Any other use of the product that involves its combination with other materials, different from the indicated forms of use, is the responsibility of the user. It is advised that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace, it is the responsibility of the user company to provide training to its employees and contractors regarding the potential risks associated with exposure to the chemical product.

Sanitizing product notified to ANVISA

Operating Authorization MS No. 3.04001-4

Technical Responsible: Chemist Alexandre A. Canfora

CRQ 04.438.605 – IV Region