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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BAC PEROXY

Application: High Performance Bactericidal and Fungicidal Cleaner.

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

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

2. HAZARDS IDENTIFICATION

Product hazard classification: Corrosion/Irritation to Skin: Category 3.

Other hazards not resulting in classification: The product does not present 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: Attention!

Hazard statements: H302 - Harmful if swallowed.
 H316 - Causes moderate skin irritation.
 H335 - May cause respiratory irritation.

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.

Prevention:

P262 - Avoid contact with eyes, skin, or clothing.

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

P402 - Store in a dry place.

Emergency Response:

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER.

P332 + 313 - If skin irritation occurs: Get medical advice.

Storage:

NR – Not required.

Disposal:



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NR – Not required.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature: Produto químico preparado à base de Peróxido de Hidrogênio, cloreto cocobenzil alquidimetil, tensoativo não iônico, estabilizante, sequestrante, corante, fragrância e água.

Substances contributing to the hazard:

Chemical name	Nº CAS	Conc.% (Peso)	Note
Peróxido de Hidrogênio	7722-84-1	1,50% a 5,00%	
Cloreto de Alquil Dimetil Benzil Amônio	8001-54-5	0,04% a 1,52%	

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

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 CONTROL CENTER or a doctor. Take this SDS with you.

If case of skin contact: Remove contaminated clothing and shoes. Wash skin with plenty of water for at least 15 minutes. In case of skin irritation, consult a doctor. Bring the product label or this SDS.

If case eye contact: Rinse thoroughly with water for at least 15 minutes. Do not rub eyes. If wearing contact lenses, remove them if easy to do. If eye irritation persists, consult a doctor, bringing the SDS or product label.

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

Most important symptoms and effects, both acute and delayed: Not available

Notes to physician: Contains Hydrogen Peroxide.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Use chemical powder, CO₂, or water mist.

Specific hazardous during firefighting: Direct water jet on the product, due to the risk of spreading the combusting material.

Specific extinguishing methods: Fire hazard: When heated, it can form mists with oxygen release, boiling, and dangerous sprays.

Special protective equipment for firefighters:



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Full protective equipment including respiratory protection with filter against acid vapours.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use PPE as per section 8.

Environmental precautions:

Prevent spilled product from reaching waterways and sewer systems. Do not directly dispose into the environment or sewer system. Dilution water from firefighting may cause pollution.

Methods and materials for containment and cleaning up:

Absorb spilled product with hygroscopic agent and collect in proper containers, removing to a safe location. For final disposal, follow Section 13 of this SDS.

Recovery:

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

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. Wash hands and face thoroughly after handling and before eating, drinking, smoking, or using the restroom.

Safe storage conditions, including any incompatibilities

Fire and explosion prevention:

Non-flammable chemical product. Keep the product in tightly closed containers, stored in a cool, dry, and ventilated area, protected from physical impacts.

Storage:

Store in a cool, clean, and ventilated area. Room temperature. Keep in the original tightly closed container.

Proper storage conditions:

Store in the 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:

Use the recommended PPE during product handling, provide exhaust ventilation for vapor emission sources, as well as general ventilation of the areas.



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Eye/face protection:	Wide vision chemical splash goggles.
Skin protection:	Impermeable gloves, safety footwear, and regular work clothing.
Respiratory protection:	Not required if ventilation is adequate. Otherwise, a half-face mask for vapors is recommended.
Thermal hazards:	No thermal hazards presented.

9. PHYSICAL AND CHEMICAL PROPERTIES

pH: 2.8 to 3.5 (neat)	Distillation range: no data available.
Physical state: clear liquid.	Flash point: no data available.
Odour: Characteristic.	Vapor pressure: no data available.
Colour: Blue.	Evaporation rate: no data available.
Density: 1.00 +/- 0.01 g/cm ³	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: above to 80°C.	UEL (Upper explosive limit): no data available.

10. STABILITY AND REACTIVITY

Stability and reactivity:	Product is stable under normal conditions of use and handling.
Hazardous reactions:	Reacts with strong bases.
Conditions to avoid:	Contact with incompatible materials.
Incompatible materials:	Alkaline products.
Hazardous decomposition products:	Oxygen.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD50 (oral, rat): 12393 mg/kg (theoretical calculation).
Skin Corrosion/Irritation:	Slightly irritating upon prolonged contact with the product.
Serious Eye Damage/Eye Irritation:	Slightly irritating.
Respiratory or Skin Sensitization:	May cause sensitization.
Mutagenicity in Germ Cells:	Not available.
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive Toxicity:	Not available.
Specific Target Organ Toxicity – Single Exposure:	Not available.
Specific Target Organ	Not available.



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Toxicity – Repeated

Exposure:

Aspiration Hazard: Not available.

Ingestion: Never induce vomiting. Depending on the quantity, it may cause severe irritation, abdominal cramps, and diarrhea. In these cases, symptomatic treatment is usually sufficient, and gastric emptying is not necessary.

Local Effects: None notable.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

**Persistence/
Degradability:** Product readily biodegradable.

**Bioaccumulative
Potential:** No expected bioaccumulative potential in aquatic environments.

Soil Mobility: All measures should be taken in accordance with the requirements of local environmental agencies.

Other Adverse Effects: Not available.

13. DISPOSAL CONSIDERATIONS

Product Avoid occupational exposure or environmental contamination. Dispose of the product as waste in accordance with local, state, and federal regulations. Appropriate companies should be contacted before disposal.

Waste for residues: Keep the remnants of the product in their original containers and properly sealed. Dispose of them in an appropriate incinerator. Any disposal method must comply with local legislation and regulations. Do not dispose of it in sewers, soil, or any body of water.

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


14. TRANSPORT INFORMATION

**Terrestrial (railways,
highways):** Resolution No. 5232/2016 of the National Land Transportation 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 transportation according to the above regulations.

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Hazardous Components: None.

15. REGULATORY INFORMATIONS

Specific Regulations for the chemical product:

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

ABNT-NBR Standard 14725: 2023.

SANITIZER PRODUCT NOTIFIED TO ANVISA/MS: 3.4001.0034

16. OUTRAS INFORMAÇÕES

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