 PROTELIM		Safety Data Sheet - SDS (Conf. ABNT NBR 14725) <u>LAVA AUTO POWER WASH</u>	
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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	LAVA AUTO POWER WASH
Application:	Ultra concentrated car wash.
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: laboratorio@protelim.com.br
Emergency telephone number:	0800-771-3733 or the nearest Health Service.

2. HAZARDS IDENTIFICATION

Product hazard classification:	Product not classified as hazardous by the classification system used.
Other hazards not resulting in classification:	The product has no other hazards.
Classification system used:	ABNT-NBR 14725: 2023 Standard. Globally Harmonized System for the Classification and Labelling of Chemicals, UN.
Hazard Pictograms:	Not applicable.
Signal word:	Not applicable.
Hazard statements:	Not applicable.
Precautionary statements:	General: P102 - Keep out of reach of children. Prevention: P234 - Keep only in original container. P262 - Avoid contact with eyes, skin, or clothing. P270 - Do not eat, drink, or smoke while using this product. P235+P410 - Keep cool. Protect from sunlight. P402 - Store in a dry place.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature:	Chemical product prepared based on anionic surfactant, shine agent, pH control agent, thickeners, fragrance, dye, and vehicle.
Substances contributing to the hazard:	None. The 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 physician. Take this SDS.
If case of skin contact:	Wash exposed skin with a sufficient amount of water to remove the material. In

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<i>If case eye contact:</i>	case of skin irritation: Consult a physician. Take this SDS. Flush eyes thoroughly with water for at least 15 minutes. If wearing contact lenses, remove them if easy to do so. If eye irritation persists: Consult a physician. Take this SDS.
<i>If swallowed:</i>	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 physician. Take this SDS.
<i>Most important symptoms and effects, both acute and delayed:</i>	No symptoms are expected after exposure to the product.
<i>Notes to physician:</i>	Concentrated detergent - Mucosal injury may contraindicate gastric lavage. Provide symptomatic treatment.

5. FIREFIGHTING MEASURES

<i>Suitable extinguishing media:</i>	Compatible with any fire extinguishing medium. Direct water jet on the flames is not recommended.
<i>Specific hazardous during firefighting:</i>	None.
<i>Specific extinguishing methods:</i>	None.
<i>Special protective equipment for firefighters:</i>	In large fires and enclosed spaces, use a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

<i>Personal precautions, protective equipment and emergency procedures:</i>	Use waterproof boots, gloves, and safety goggles.
<i>Environmental precautions:</i>	To contain leaks, use absorbent materials (such as sand, sawdust). Avoid letting the product come into contact with soil, lakes, and waterways. Notify the appropriate authorities in case of accidents.
<i>Methods and materials for containment and cleaning up:</i>	Contain the leak, collect as much as possible, and rinse the area with plenty of water.
<i>Recovery:</i>	The spilled product should no longer be used. For disposal, check federal, state, and municipal 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 equipment before entering food areas.

Safe storage conditions, including any incompatibilities

Fire and explosion prevention:

The product is not flammable. It is not expected to present a fire or explosion hazard.

Storage:

Keep the 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:

None under normal conditions of use.

Eye/face protection:

Wide vision chemical goggles.

Skin protection:

Impervious gloves, safety footwear, and regular work clothing.

Respiratory protection:

None in ventilated environments.

Thermal hazards:

No thermal hazards.

9. PHYSICAL AND CHEMICAL PROPERTIES

pH: 7.0 a 7.5

Distillation range: no data available.

Physical state: Viscous liquid.

Flash point: no data available.

Odour: Characteristic of essence.

Vapor pressure: no data available.

Colour: pink.

Evaporation rate: no data available.

Density: 1.02 +/- 0.01 g/cm³

Vapor density: no data available.

Solubility: Total in water.

Decomposition temperature: no data available.

Viscosity: 3500 cSt.

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 known hazardous reactions.



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Conditions to avoid:	Areas with high temperatures.
Incompatible materials:	No incompatible materials found in the literature.
Hazardous decomposition products:	None. If exposed to fire, after water runoff, it may produce normal combustion gases from organic products.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Product not classified as acutely toxic.
Skin Corrosion/Irritation:	Not expected to cause skin corrosion/irritation.
Serious Eye Damage/Eye Irritation:	Not expected to cause serious eye damage/eye irritation.
Respiratory or Skin Sensitization:	Not expected to cause respiratory or skin sensitization.
Mutagenicity in Germ Cells:	Not expected to cause mutagenicity in germ cells.
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive Toxicity:	Not expected to cause reproductive toxicity.
Specific Target Organ Toxicity – Single Exposure:	Not expected to cause specific target organ toxicity - single exposure.
Specific Target Organ Toxicity – Repeated Exposure:	Not expected to cause specific target organ toxicity - repeated exposure.
Aspiration Hazard:	Not expected to be an aspiration hazard.
Ingestion:	Never induce vomiting. Depending on the amount, it may cause severe irritation, abdominal cramps, and diarrhea. In such cases, symptomatic treatment is usually sufficient, and gastric emptying is not necessary.
Local Effects:	None notable.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not expected to exhibit ecotoxicity.
Persistence/Degradability:	In effluents, the product dissolves rapidly.
Bioaccumulative Potential:	No expected bioaccumulative potential in aquatic environments.
Soil Mobility:	Not determined.

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Other Adverse Effects: The surfactants and adjuvants present in the formula are biodegradable and have no recalcitrant effect. When used correctly, with rinsing, the product does not contaminate effluents.

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.
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: 25351.729674/2018-78

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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