

In accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS)- Chapter 1.5 and Annex 4

## SAFETY DATA SHEET

**Product: PREMIUM WATERBORNE ENAMEL GLOSS - LEAF GREN**

Revision: 02

Date: 2018/07/03

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### 1 - IDENTIFICATION

GHS Product identifier:	PREMIUM WATERBORNE ENAMEL GLOSS - LEAF GREN
Other means of identification:	024749-00
Recommended use of the chemical and restrictions on use:	Protection and decoration of external and internal surfaces.
Restrictions on use:	There are not known restrictions on use of the product.
Supplier's details:	ANJO QUIMICA DO BRASIL LTDA
Address:	Acesso Estadual Rio Maina, nº 1165, Bairro Vila Macarini, CEP: 88818-800, Criciúma - SC - Brasil
Phone number(s):	-
Emergency phone number:	CIATox/SC (Centro de Informação e Assistência Toxicológica de Santa Catarina) 08006435252

### 2 - HAZARD IDENTIFICATION

Classification of the substance or mixture:	Sensitization Skin - Category 1
Classification system adopted:	Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.

#### GHS label elements, including precautionary statements

Pictograms:



Signal word:	WARNING
Hazard statement(s):	H317 May cause an allergic skin reaction.

Precautionary statement(s):	<b>PREVENTION:</b> P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace.
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P280 Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

**RESPONSE:**

P302 + P352 IF ON SKIN: Wash with plenty of water.

P321 Specific treatment.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing. And wash it before reuse.

**DISPOSAL:**

P501 Dispose of contents and container in accordance with local regulations.

Other hazards which do not result in classification:

It is not expected that product presents specific hazards.

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

**MIXTURES**

Components contributing to the hazard:	1-octanol reaction products with epichlorohydrin and 2-mercaptoethanol (CAS 928768-73-4): 0.18 - 0.53%
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### 4 - FIRST-AID MEASURES

**Routes of exposure**

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.

**Skin:** Wash exposed skin with sufficient amount of water to remove the material. Take off and isolate contaminated clothing and shoes. In case of skin irritation: contact a doctor. Bring this SDS.

**Eye:** Wash carefully with water for several minutes. In case of use of contact lenses, remove them, if possible. Keep washing. If eyes irritation continues: Contact a doctor. Bring this SDS.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse the victims mouth with water in abundance. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.

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Most important symptoms/effects, acute and delayed:	May cause pruritus and dermatitis.
Indication of immediate medical attention and special treatment needed, if necessary:	Avoid contact with the product to help the victim. Keep victim warm and quiet. Symptomatic treatment should comprise mainly supportive measures such as correction of electrolyte disturbances, metabolic, and respiratory support. In case of skin contact do not rub the affected site.

### 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Appropriate: Compatible with carbon dioxide (CO <sub>2</sub> ), foam, water mist and powder Inappropriate: Water jet directly.
Specific hazards arising from the chemical:	The combustion or the chemical containers may form toxic and irritant gases such as carbon monoxide and carbon dioxide. Vapors may be heavier than air and tend to accumulate in low or confined areas, such as sewers and basements. Containers may explode if heated.
Special protective actions for fire-fighters:	Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Containers and tanks involved in the fire should be cooled with water mist.

### 6 - ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Do not smoke. Avoid exposure to the product. If necessary, use personal protective equipment as described in Section 8.
For emergency responders:	Use protective equipment as described in Section 8.
Environmental precautions:	Avoid that the spilled material reaches waterways or sewage system.
Methods and materials for containment and cleaning up:	Use water mist or vapor suppressing foam to reduce the dispersion of vapors. Use natural barriers or spill containment. Collect spilled material and put it into containers. Adsorb the remaining product with dried sand, vermiculite or any other inert material. Put the adsorbed material in appropriate containers and remove them to a safe place. Use tools that do not cause sparks to collect absorbed material.

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### 7 - HANDLING AND STORAGE

#### Precautions for safe handling

Safe handling of the substance or mixture: Handle in a well ventilated area or with general system of ventilation/local exhaust. Avoid vapors and mists formation.

General hygiene: Wash hands and face thoroughly after handling and before eating, drinking, smoking or going to the bathroom.

#### Conditions for safe storage, including any incompatibilities

Technical measures for prevention of fire and explosion: It is not expected that the product presents a fire or explosion hazard. Use personal protective equipment as described in Section 8.

Adequate conditions: Store in a well ventilated place away from sunlight. Keep container closed. Keep away from high temperatures. Keep stored at room temperature not exceeding 35°C (95°F).

Packaging compatibilities: Similar to the original packaging.

### 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Occupational exposure limit: Not established.

Biological limit: Not established.

Other limits and values: Not established.

Appropriate engineering controls: Promote direct mechanical ventilation and exhaust system to the outside environment. These measures help reduce exposure to product.

#### Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Safety glasses.

Skin protection: Closed shoes and suitable protective clothing. Appropriate protective gloves.

Respiratory protection: A risk assessment should be performed for proper definition of respiratory protection, in view of the product use conditions.

Thermal hazards: Does not present thermal hazards.

### 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid viscous

Color: sand

Odour: Not available.

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Melting point/freezing point: Not available.

Boiling point or initial boiling point and boiling range: Not available.

Flammability: Not applicable.  
Lower and upper explosion limit/flammability limit: Not available.

Flash point: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

pH: 8.8 to 9.5

Kinematic viscosity: Not available.

Solubility: Miscible in water.

Partition coefficient n-octanol/water (log value): Not available.

Vapour pressure: Not available

Density and/or relative density: Not available

Relative vapour density: Not available

Particle characteristics: Not available

Other information: Absolute density: 1.16 to 1.22 g/cm<sup>3</sup>.

### 10 - STABILITY AND REACTIVITY

Reactivity: Reactivity is not expected under normal conditions of temperature and pressure.

Chemical stability: Product is stable under normal conditions of temperature and pressure.  
Possibility of hazardous reactions: Sodium nitrite: Risk of explosion when in contact with strong reducing agents and combustible materials.

Conditions to avoid: High temperatures. Contact with incompatible materials.  
Incompatible material: Strong oxidizing agents and carbon oxides.

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Hazardous decomposition products:	No dangerous decomposition products known.
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### 11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	It is not expected that the product presents acute toxicity. Acute Toxicity Estimate (ATE) ATEm (oral): > 5000 mg/kg ATEm (dermal): > 5000 mg/kg ATEm (inhalation, 4h): > 20 mg/L
Skin corrosion/irritation:	It is not expected that the product presents skin corrosion/irritation.
Serious eye damage/irritation:	It is not expected that the product causes eye irritation.
Respiratory or skin sensitization:	May cause an allergic skin reaction with pruritus and dermatitis. It is not expected that the product presents sensitization respiratory.
Germ cell mutagenicity:	It is not expected that the product presents germ cell mutagenicity.
Carcinogenicity:	It is not expected that the product presents carcinogenicity.
Reproductive toxicity:	It is not expected that the product presents reproductive toxicity.
STOT - Single exposure:	It is not expected that the product presents specific target organ toxicity by single exposure.
STOT - Repeated exposure:	It is expected that the product presents toxicity specific target organ toxicity by repeated exposure.
Aspiration Hazard:	It is not expected that the product presents aspiration hazard.

### 12 - ECOLOGICAL INFORMATION

Toxicity:	It is not expected that the product presents ecotoxicity.
Persistence and degradability:	-
Bioaccumulative potential:	It is not expected that the product presents bioaccumulative potential in aquatic organisms.
Mobility in soil:	Not determined.
Other adverse effects:	There are not known other environmental effects for this product.

### 13 - DISPOSAL CONSIDERATIONS

**Disposal methods**

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Must be disposed of as hazardous waste in compliance with local regulations. The treatment and disposal should be evaluated for each specific product. Keep the product remains in its original and properly closed containers. Disposal should be performed as established for the product.

### 14 - TRANSPORT INFORMATION

<b>Road:</b>	<i>UN - "United Nations" Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations</i>
<b>Rail:</b>	<i>Convention concerning International Carriage by Rail (COTIF) Appendix C - Regulations concerning the International Carriage of Dangerous Goods by Rail - RID</i>
<b>Sea:</b>	<i>IMO - International Maritime Organization International Maritime Dangerous Goods Code (IMDG Code)</i>
<b>Air:</b>	<i>IATA - International Air Transport Association Dangerous Goods Regulation (DGR)</i>
UN number:	Not classified as hazardous to transport in different modals.
Special precautions for user:	There is no need of special precautions.
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code:	Consult regulations: - International Maritime Organization. MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006. - International Maritime Organization. IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the code. IMO, London, 2007.

### 15 - REGULATORY INFORMATION

Convention concerning Safety in the use of Chemicals at Work (Convention 170) - International Labour Organization, 1990.

### 16 - OTHER INFORMATION

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This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

SDS elaborated in May 2018.

### Change control:

Version	Publication Date	Changes
02	2018/05/22	New SDS layout

### Abbreviations:

CAS - *Chemical Abstracts Service*

### Bibliographic references:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS). 6. rev. ed.  
New York: United Nations, 2015.