

Produto: Stanlux Pell 260 R, 270R

Versão: 02

Data: 2025/07/02

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1. IDENTIFICATION

Product identifier: Pelletized aluminium**Other means of identification:** Stanlux Pell**Recommended use of the chemical:** Printing paints**Specific restrictions on use:** There are not known restrictions on use**Supplier`s details:**

Manufacturer: Aldoro Indústria de Pós e Pigmentos Metálicos Ltda
Av. Suécia, 570 – Distrito Industrial – Rio Claro – SP – Brasil
Tel: +55 19 3535.6400
www.aldoro.com.br

Emergency phone number: Tel: +55 19 3535.6400

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Not classified as dangerous

Classification system adopted:

Norma ABNT-NBR 14725. Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.

GHS label elements, including precautionary statements**Pictograms** Not applicable**Signal word** Not applicable**Hazard statement(s)** Not applicable**Precautionary statement(s):****PREVENTION**

P261 Avoid inhaling dusts, smokes, gases, mists, vapors and aerosols.

P280 Use protection gloves, protection clothes, eye protection and face protection equipment.

RESPONSE TO EMERGENCY

P370 + P378 In case of fire: For firefighting use carbon dioxide, chemical power or sand. Never use water.

STORAGE

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

P405 Store locked up.

DISPOSITION

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

Other hazards which do not result in classification: No further relevant information available.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Common chemical name	CAS Number	Concentration range (%)
Aluminium powder	7429-90-5	95,7 minimum
Aldehydic resin	-----	3,5
Isopropanol	67-63-0	0,8 maximum

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation: Remove the victim to a well-ventilated area and keep at rest in a position that does not impede breathing. If you feel unwell, contact a doctor.

Skin contact: Take the contaminated clothes off. Wash the skin with plenty of water and soap. In case of skin irritation: See a doctor.

Eye contact: Rinse carefully with water for several minutes. If you wear contact lenses, remove them if that's easy. Keep rinsing. If eye irritation persists: consult a doctor.

Ingestion: Do not induce vomiting. Look for a medical help.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of immediate medical attention and special treatment needed, if necessary: No further relevant information available.

5. FIREFIGHTING MEASURES

Extinguishing media

Meios de extinção apropriados: Chemical powder or dry sand.

Unsuitable extinguishing agents: Do not use water or foam.

Specific hazards arising from the mixture: When in contact with water, acids, alkali it may liberate hydrogen gas, which is highly flammable (hydrogen).

Special protective measures for firefighting personnel: We recommend the use of respiratory protection equipment of the autonomous type, with positive pressure and full protection clothes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Use individual protection equipment. Move away the persons from the affected area.

For emergency responders:

Use complete PPE, with protective eyewear, protective gloves, safety shoes and suitable protective clothing.

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Environmental precautions:

Do not allow the product to reach the sewer system or any water streams. Inform the authorities if the product reaches water resources.

Methods and materials for containment and cleaning up:

Remove to a dry container. See section 13 for waste treatment methods.

7. HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling:

Handle in a covered, dry and ventilated place. Keep the containers closed when the product is not being used. Avoid inhaling product vapors. Use individual protection equipment as described in Section 8.

General hygiene:

Avoid skin, eye and clothes contact. Do not eat, drink or smoke in work areas. Wash your hands after handling and before eating, drinking, smoking or using the restroom.

Conditions for safe storage, including any incompatibilities

Technical measures for prevention of fire and explosion:

Keep away from heat, sparks, open flames and hot surfaces. - Do not smoke. Keep container tightly closed.

Conditions for safe storage, including any incompatibilities:

Store in a covered, ventilated place protected from heat. Keep away from incompatible materials as described in Section 10.

Packaging compatibilities:

Similar to the original packaging.

Unsuitable packaging materials:

There are not known unsuitable material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Occupational exposure limit:

DNEL long-term, worker, for aluminium metal powder/dust is 3,72 mg aluminium/m³.
PNEC-values from 46-17800 µg/l depending on water chemistry.

Occupational exposure limits (limit value - eight hours):

	Aluminium powder (stabilized)
Austria	10 mg/m ³
Canada - Québec	10 mg/m ³
Denmark	5 mg/m ³ (inhalable aerosol)

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	2 mg/m3 (respirable)
France	10 mg/m3 (inhalable aerosol)
	5 mg/m3 (respirable aerosol)
Germany	4 mg/m3 (inhalable aerosol)
	1,5 mg/m3 (respirable aerosol)
Hungary	6 mg/m3 (respirable aerosol)
Spain	5 mg/m3 (respirable aerosol)
	10 mg/m3 (inhalable aerosol)
United Kingdom	4 mg/m3 (respirable aerosol)
	10 mg/m3 (inhalable aerosol)

Appropriate engineering controls: Use explosion proof mechanical ventilation and exhaustion systems, to maintain the atmospheric concentrations of the constituents of the product, below the occupational exposure limits.

Measures of personal protection

Eye/face protection: Protective goggles if there is a risk of splashing.

Skin protection: Impermeable gloves. Recommended gloves: nitrile.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Use respiratory protection that meets the requirements of EN 141. Recommended filter type: A or combination filter A-P2.

Thermal hazards: Not applicable under normal use conditions.

9. EXPOSURE CONTROLS / PERSONAL PROTECTION

* Refer to aluminum

Physical state	Granulated solid
Color	Gray
Odour	Characteristic
Melting point/freezing point:	* 646 - 657 °C
Boiling point or initial boiling point and boiling range:	* Not available
Flammability	Not applicable
Lower and upper Explosion limit/flammability limit:	* Lower explosion limit/flammability limit: 40 mg/L
Flash point	Not applicable
Auto-ignition temperature	* 650 °C
Decomposition temperature	* Not available
pH	Not applicable
Kinematic viscosity	Not available
Solubility	Insoluble
Partition coefficient octanol/water (log value)	Not applicable
Vapour pressure	Not applicable
Density and/or relative density:	0,5-0,7 (aparente)

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Relative vapour density	Not applicable
Particle characteristics	Aluminum particles approximately 11 micrometers in size. Measuring instrument Malvern.

10. STABILITY AND REACTIVITY

Reactivity

Non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under normal conditions of temperature and pressure.

Possibility of hazardous reactions

When in contact with Incompatible materials.

Conditions to avoid

Keep away from sources of ignition and incompatible materials.

Incompatible materials

Acids, alkali, oxidizing agents and water.

Dangerous products from the decomposition

Does not decompose at room temperature.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Not classified as acutely toxic.

Aluminum powder: Oral LD50 (rat): > 2000 mg/kg. Inhalation LC50 (rat): > 888 mg/m³. Inhalation NOAEC (rat): 10 mg/m³.

Isopropanol: Oral LD50 (rat): 5840 mg/kg. Inhalation LC50 (rat, 6 hours): 25 mg/L. Dermal LD50 (rabbit): 13900 mg/kg.

Resin: Oral LD50 (rat): > 5000 mg/kg.

Skin corrosion/irritation:

Based on available data the classification criteria are not met.

Resin:

Primary skin irritation (rabbit): non-irritating (Draize test)

Eye irritation (rabbit): non-irritating (Draize test)

Serious eye injuries/eye irritation:

Based on available data the classification criteria are not met.

Respiratory or skin sensitization:

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

Carcinogenicity:

Based on available data the classification criteria are not met.

Reproductive toxicity:

Based on available data the classification criteria are not met.

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STOT – Single exposure: Based on available data the classification criteria are not met.**STOT – Repeated exposure:** Based on available data the classification criteria are not met.**Aspiration hazard:** Based on available data the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product aluminium pell is not classified as dangerous for the environment.

Isopropanol: LC₅₀ Fish 96h: 9640 mg/l (Pimephales promelas).

LC₅₀ Daphnia magna 24 h: > 9714 mg/l

EC₅₀ algiers 72 h: > 100 mg/l (Scenedesmus subspicatus)

Persistence and degradability

The product is expected to be persistent and slowly degraded.

Bioaccumulative potential

The product is not expected to show bioaccumulation potential.

Mobility in soil

Aluminium pell is a solid material and is not expected to penetrate into the soil.

Other adverse effects

No additional information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Product and product waste are classified as hazardous and must be disposed of in accordance with federal, state and municipal laws.

Contaminated packaging: The packaging material should not be reused. When decontaminated, it may be destined to recycling.

14. TRANSPORT INFORMATION

National and international regulations

Not classified as dangerous for transport.

15. REGULATORY INFORMATION

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

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16. OTHER INFORMATION

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.

Change control:

Version	Manufacture date	Changes
01	2025/04/04	Elaboration
02	2025/07/07	Review items 6 and 10

Abbreviations:

CAS - Chemical Abstracts Service;

DNEL - Derived NO-Effect Level;

EC 50 - Effective concentration of the substance for 50% of individuals;

LC - Lethal Concentration;

LD - Lethal Dose;

NOAEC - No Observed Adverse Effect Level;

PNEC - Predicted No-Effect Concentration;

UN - United Nations.

Bibliographic referencesGESTIS - SUBSTANCE DATABASE. Disponível em: <<https://gestis-database.dguv.de/>>. Acesso em: jan 2025.

GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 10th rev. ed. New York and Geneva: United Nations, 2023.