



## Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Pens Alumipanel

Rev. 6

Fecha: MAYO 2023

### SECTION I. IDENTIFICATION OF THE HAZARDOUS CHEMICAL SUBSTANCE OR MIXTURE AND THE SUPPLIER OR MANUFACTURER.

**Name of the hazardous chemical or mixture:** Pens Alumipanel.

**Other means of identification:** Neutral Sealant.

**Recommended Use of the product:** Ideal as weather seals for joints on aluminum composite panel facades and painted or porcelain metal panels.

**Use Restrictions:** Do not apply in completely closed areas, since it requires relative humidity for its vulcanization.

**Name of the manufacturer or distributor:** Productos Pennsylvania S.A. de C.V.

**Address:** Camino a San José No. 1, Fracc. San Pablo Tecnológico, Querétaro, Qro. C.P. 76150

**Emergency telephone:** (442) 217 3232, (442) 217 3839, Setiq (800) 00 24 00, [www.pennsylvania.com.mx](http://www.pennsylvania.com.mx)

### SECTION II. HAZARDS IDENTIFICATION.

This product is classified in accordance with NOM-018-STPS-2015 Globally Harmonized System of Classification and Labeling of Chemical Products (GHS).

**Elements of signage, including precautionary statements and caution pictograms:**

**Physical Hazards:**

H228 Flammable solid.

**Warning Word:** ATTENTION.

**Health hazards:**

H316 Causes mild skin irritation.

H320 Causes eye irritation.

H335 May cause respiratory irritation.

**Pictograms:**



**Precautionary statements:**

P102 Keep out of reach of children.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, sparks, open flames, hot surfaces and other ignition sources. No Smoking.

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

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

**Other Hazards:** NA.



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### SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS.

**Chemical identity of the substance:** Reaction product of decanoic acid, 12-hydroxyester acid and ethanediamine.

Component	CAS No.	UN No.	%
Trimethoxyvinylsilano.	1317-65-3	ND.	> 2
Rest of the formula considered secret.	70131-67-8	ND	> 85

### SECTION IV. FIRST AID MEASURES.

#### First aid description:

**Inhalation:** In case of inhalation of the vulcanization product, breathe fresh air. If you are not breathing, apply artificial respiration or oxygen.

**Ingestion:** If swallowed, do not induce vomiting. See a doctor immediately with this safety sheet.

**Eye Contact:** If there is contact with the eyes, immediately hold the eyelids open and wash with plenty of water for at least 15 minutes.

**Skin Contact:** Remove the product from the skin with a cloth or cloth, wash with plenty of soap and water. If you experience discomfort, consult your doctor.

**Antidote (if available) or information for the emergency doctor:** The product hydrolyzes forming methanol and ethanol. Therefore consider the possibility of poisoning and observe the prescriptive time.

**Other existing health risks:** Get medical attention if irritation occurs or if breathing becomes difficult. Remove contaminated clothing and shoes.

### SECTION V. FIRE-FIGHTING MEASURES.

**Suitable extinguishing media:** Water, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), ABC dry powder.

**Personal protective equipment for firefighting:** Use self-contained breathing apparatus and a full protective suit in case of fire.

**Procedure and special precautions during firefighting:** Direct the extinguishing agent at the base of the fire at an initial distance of 3 meters, following internal procedures or those indicated on the extinguisher label.

**Conditions giving rise to another special risk:** None.

**Conditions leading to other special risk:** Carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxides and hydrocarbons of incomplete combustion.



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### SECTION VI. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILL OR ACCIDENTAL RELEASE.

**Special procedures and precautions required in cases of leaks or spills:** This product does not have a risk of leak or spill. If the material spills, there is a danger of slipping. Do not pass through spilled material. In the event of a small spill, clean up immediately with mechanical equipment before the material cures. It will be made available to Federal, State and Local regulations and/or laws.

**Environmental precautions:** Uncontrolled discharges to soil or water could have adverse ecological effects, necessary measures must be taken to avoid discharges to the environment, any spill must be contained and cleaned up immediately before the material cures.

**Mitigation methods to control the substance:** To prevent sticking, sprinkle the surface with sand or podzol and remove the material mechanically. Collect or scrape up the spilled material and place it in a special container for chemical waste. Remove any residual sediment that may be released with a cleaning/soap product or other biodegradable cleaning product. To improve workability, add sand or other inert and granular material.

### SECTION VII. HANDLING AND STORAGE.

**Precautions to be taken for safe handling:** Premises and workplaces should preferably have good ventilation. Keep away from incompatible substances. Keep away from sources of ignition. It is recommended not to smoke.

**Conditions for safe storage, including any incompatibility:** The product can dissociate into ethanol and methanol. In closed spaces, vapors can form mixtures with air that, in the presence of ignition sources, are likely to cause explosions, even in empty, uncleaned tanks. Keep away from sources of ignition. No Smoking.

### SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT.

Control parameters:

Agent name	CAS No.	Identifier	Qty	Measure	Source
Ethanol	64-17-5	VLE-PPT	1000	ppm	NOM-010-STPS
Methanol	67-56-1	VLE-PPT	250	ppm	NOM-010-STPS

**Appropriate technical controls:** Use with sufficient ventilation.

**Personal protective equipment:** Suggested.





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### SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

**Physical state:** Paste.

**Color:** Various.

**Smell:** Alcohol.

**Boiling temperature:** NA.

**Melting temperature:** NA.

**Flash point:** NA.

**Autoignition temperature:** ND.

**Density at 23°C:** 1.4 g/cm<sup>3</sup>.

**Molecular weight:** ND.

**pH:** ND.

**Evaporation rate:** ND.

**Solubility in water:** Insoluble.

**Vapor pressure:** ND.

**% Volatility:** ND.

**Flammable limits:** ND.

**Sup:** ND.

**Inf:** ND.

**VOC (g/L):** 20

### SECTION X. STABILITY AND REACTIVITY DATA.

**The product is considered:** Stable.

**Incompatible materials:** Water, alkaline substances and acids.

**Spontaneous polymerization:** Can not happen.

**Conditions to Avoid:** ND.

**Hazardous decomposition products:** If hydrolyzed: methanol and ethanol. Measurements have shown that from approx. 150°C small amounts of formaldehyde are released due to oxidation.

**Other conditions that should be avoided to avoid generating reactions:** Humidity, Heat, open flames, and other sources of inflammation.

### SECTION XI. TOXICOLOGICAL INFORMATION.

**Information on probable routes of entry:** Ocular and inhalation.

**Symptoms related to physical, chemical and toxicological characteristics:** Irritation, dizziness, headache.

**Immediate and delayed effects, as well as chronic effects from short- or long-term exposure:** Probable respiratory and eye irritation.

**Acute toxicity:** None.

**Interactive effects:** ND.

**Other information:** None.



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### SECTION XII. ECOTOXICOLOGICAL INFORMATION.

**Toxicity:** Evaluation according to physical-chemical properties: No harmful effects are expected in aqueous organisms. According to the experience to date, no negative effects are to be expected for the treatment plants.

**Persistence and degradability:** Silicone part: Not biodegradable. Separation by sedimentation. The hydrolysis product (methanol) is easy to decompose biologically.

**Bioaccumulative potential:** Methanol and ethanol are readily biodegradable. Polymer component: Bioaccumulation unlikely.

**Mobility on soil:** ND.

**Other side effects:** None.

### SECTION XIII. INFORMATION ON THE DISPOSAL OF THE PRODUCTS.

Disposal must be in accordance with federal, state and local regulations.

### SECTION XIV. TRANSPORT INFORMATION.

It is not a dangerous material.

With regard to general land communication transport routes and related auxiliary services in relation to the Regulation for the Land Transport of Dangerous Products.

Materials and Waste, Ministry of Communications and Transportation.

1. UN number:	ND.
2. UN proper shipping name:	ND.
3. Transport hazard class:	ND.
4. Packing group:	ND.
5. Environmental risks:	ND.
6. Special precautions for use:	ND.
7. Measures for bulk transport:	No Specific.

### SECTION XV. REGULATORY INFORMATION.

None additional.



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### **SECTION XVI. OTHER RELEVANT INFORMATION.**

The information is believed to be correct, but is not exhaustive and will be used solely as a guide, which is based on current knowledge of the product and is applicable to appropriate safety precautions for the product.

These data are provided in good faith, as typical values and not as product specifications. The recommended handling procedures are intended to be of general application. However, the user must consider these recommendations in the specific context of the use they wish to give to the product.