



## Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Polycarbonate Pens

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:** Polycarbonate Pens.

**Other means of identification:** Silicone sealant.

**Recommended Use of the product:** This product is used to seal joints for porous surfaces, sheets and plastics (see technical sheet).

**Use Restrictions:** Do not apply this product on wet surfaces, in the curing or setting process.

**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).

**Signage elements, including precautionary statements and precautionary pictograms:**

**Physical hazards:** Not applicable since it does not contain any hazard considered in table C.1 of NOM-018-STPS-2015.

**Health hazards:**

H303 May be harmful if swallowed.

H316 Causes mild skin irritation.

H320 Causes eye irritation.

H332 Harmful if inhaled.

**Signal word:** ATTENTION.

**Pictograms:**



**Danger indications:**

H316 Causes mild skin irritation.

H320 Causes eye irritation.

H333 May be harmful if inhaled.

H335 May cause respiratory irritation.

**Precautionary statements:**

P301+P314 If swallowed, consult a doctor if you feel unwell.



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P332+P313 In case of skin irritation, consult a doctor.

P305+P351+P338 In case of contact with eyes: Rinse carefully with water for several minutes. Remove contact lenses when present and can be done easily. Continue with washing.

P305+P351+P338 **If contact with eyes:** Rinse carefully with water for several minutes. Remove contact lenses when present and can be done easily. Continue with washing.

P332+P313 In case of skin irritation: Consult a doctor.

P337+P313 If eye irritation persists: Consult a doctor.

P403+P235 Store in a well-ventilated place. Keep in a cool place.

P501 Dispose of contents/container in accordance with national regulations.

**Other hazards:** NA.

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

**Chemical identity of the substance:** ND.

Component	CAS No.	UN No.	%
Aminopropil (metil) silsesquioxano, Etoxi-terminal.	128446-60-6	ND	3 – 20
Viniltriétoxisilano.	78-08-0	ND	3 - 20
Non-aromatic hydrocarbon mixture 64742-46-7		ND	10 - 30
Rest of the formula considered secret		ND	10 - 30

### SECTION IV. FIRST AID MEASURES.

**First aid description:**

**Inhalation:** In case of inhalation of the vulcanization by-product, breathe fresh air.

**Skin Contac:** In case of skin contact, immediately remove excess material. Wash with water and neutral soap.

**Ingestion:** In case of ingestion of several glasses of water, but do not induce vomiting. If vomiting occurs, give fluids additional. Go to the doctor immediately.

**Eye contact:** If there is contact with the eyes, immediately separate the eyelids and rinse with water. Abundant for at least 15 min.

**Most important symptoms and effects, acute and chronic:** If in doubt about the treatment or symptoms, consult your doctor.

**Antidote (if available) or information for the emergency physician:** In case of doubt about the treatment or symptoms, consult a doctor.

**Other existing health risks:** ND.



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### SECTION V. FIRE-FIGHTING MEASURES.

**Suitable extinguishing media:** Foam, carbon dioxide (CO<sub>2</sub>), ABC dry powder.

**Personal protective equipment for firefighting:** In the initial phase, specific PPE is not required; in phase 2 or secondary fire or when the temperature suddenly increases and smoke accumulates considerably, structural firefighter equipment must be used.

**Procedure and special precautions during firefighting:** Personnel fighting fire in phase 2 must be equipped with a self-contained respirator, full facial protection and appropriate firefighting clothing.

**Special fire fighting procedures:** Avoid exposure to fire, fumes or products of combustion.

**Combustion products that are harmful to health:** Carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxides and incomplete burning of hydrocarbons.

**Conditions leading to other special risk:** None.

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

**Special procedures and precautions required in case of leaks or spills:** Prevent it from entering water, wastewater and soil. Stop leak if it can be done safely. Retain contaminated water/water used for fire fighting.

**Environmental precautions:** Avoid release into the environment. Keep container tightly closed when not in use.

**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:** In general this product does not represent risks in handling and storage. Premises and workplaces must have good ventilation. Keep away from incompatible substances according to point X. Observe the instructions in point VIII.

**Conditions for safe storage, including any incompatibility:** Store in a cool, dry place. Protect from humidity. Store in the original container in a well-ventilated place. Keep away from oxidizing materials, heat or flames.

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

**Control parameters:** Use with sufficient ventilation. Recommended local extractor.

**Appropriate technical controls:** None.

**Personal protective equipment:** Suggested.



**Hygiene measures:** Wash at the end of each work shift and before eating, smoking and using the bathroom.

## SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

**Physical state:** Paste.

**Color:** Various.

**Odor:** Characteristic.

**Boiling temperature:** ND.

**Melting temperature:** ND.

**Ignition temperature:** ND

**Auto-ignition temperature:** > 400°C.

**Density:** 1.01 g/cm<sup>3</sup>.

**Molecular weight:** Not determined.

**pH:** ND.

**Evaporation rate:** Not determined.

**Solubility in water:** Insoluble.

**Vapor pressure:** ND.

**% volatility:** ND.

**Flammable limits:**

**Sup:** ND.

**Inf:** ND.

**VOC (g/L):** <31

## SECTION X. STABILITY AND REACTIVITY DATA.

**Chemical stability:** Stable.

**Incompatible materials:** Reacts with: water, alkaline substances and acids.

**Spontaneous polymerization:** Can not happen.

**Conditions to avoid:** Avoid humidity.

**Hazardous decomposition products:** Reaction occurs with formation of ethanol.

Measurements have shown that from approx. 150°C small amounts of formaldehyde are released due to oxidation.



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### SECTION XI. TOXICOLOGICAL INFORMATION.

**Information on probable routes of entry:** Skin, eyes and mucous membranes.

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

**Immediate and delayed effects, as well as chronic effects produced by short- or long-term exposure:** Likely mild skin irritation.

**Acute toxicity:** ND.

**Interactive Effects:** ND.

**Other information:** ND.

### SECTION XII. ECOTOXICOLOGICAL INFORMATION.

**Toxicity:** Harmful to aquatic organisms.

**Persistence and degradability:** Silicone part: Not biodegradable. Separation by sedimentation.

**Bioaccumulative potential:** Counterproductive effects are not expected.

**Mobility on soil:** Silicone part: Insoluble in water.

**Other side effects:** None documented.

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

Material that cannot be used, recovered or recycled must be disposed of at an authorized facility in accordance with national, state and local regulations. Depending on regulations, waste treatment methods may include, for example, landfilling or incineration. For packaging disposal; Empty the containers completely (no product should drip or fall; clean the walls with a spatula). None specific Preferably, the containers should be reused or reused, observing the local/national regulations applicable in each case. Containers that cannot be cleaned should be disposed of in the same way as the substance.

### SECTION XIV. TRANSPORT INFORMATION.

It is not a dangerous material. Matters relating to transportation by general land communication routes and their related auxiliary services, in relation to the Regulation for the Land Transportation of Hazardous Materials and Waste, of the Ministry of Communications and Transportation applied to each country.

1. UN Number:	ND.
2. UN proper shipping name:	ND.
3. Transport hazard class:	ND.
4. Packing/Packaging group:	ND.
5. Environmental risks:	ND.
6. Special precautions for the user:	ND.
7. Measures for bulk transport:	None specific.



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### **SECTION XV. REGULATORY INFORMATION.**

None additional.

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

This information refers to the specific material designated and may not be valid for such material used in combination with any other material or in any process. 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.