



Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Pens HI TECH

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 HI TECH.

Other means of identification: Hybrid sealant.

Recommended Use of the product: Seals of perimeter joints of windows and doors indoors and outdoors (see technical sheet).

Restrictions on use: The sealant should not be applied to surfaces impregnated with oils or greases.

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.

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).

Clasification of dangerous chemical substances: Category 2A - (H319) Serious eye damage/eye irritation.

Elements of signage, including precautionary statements and caution pictograms.

Physical hazards: Not applicable.

Health hazards:

H335 May cause respiratory irritation.

Signal word: ATTENTION.

Pictograms:



Danger indications:

H335 May cause respiratory irritation.

Precautionary statements:

P102 Keep out of reach of children.

P232 Protect from moisture.

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



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Other hazards: The product hydrolyzes, forming methanol. Always carry the safety data sheet with you when you go to the doctor.

SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical identity of the substance: NA.

Component	CAS No.	UN No.	%
Trimethoxyvinylsilano.	2768-02-7.	ND.	1-5
3-(Trimethoxysilyl)propylamine.	13822-56-5.	ND.	0.5-1.5
Rest of the formula is considered confidential.	ND.	ND.	Variable.

SECTION IV. FIRST AID MEASURES.

First aid description:

Inhalation: In case of inhalation of the vulcanization by-product, breathe fresh air. In case of drowning, provide oxygen. If not breathing, apply artificial respiration.

Contact with the skin: In case of skin contact, immediately remove excess material. Wash with soap and water.

Ingestion: If swallowed, give several glasses of water but do not induce vomiting. If vomiting occurs give fluids again. If vomiting occurs, give additional fluids. See a doctor immediately.

Eye Contact: If there is contact with the eyes, immediately separate the eyelids and rinse with plenty of water for at least 15 minutes.

Antidote (if available) or information for the emergency doctor: In case of contact with water, the product releases greater quantities of methanol (also in the digestive tract): therefore consider the possibility of methanol poisoning.

Other existing health risks: If you go to the doctor, always carry the safety sheet with you.

SECTION V. FIRE-FIGHTING MEASURES.

Suitable extinguishing media: Water, foam, CO₂, ABC dry powder.

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide (CO₂), ABC dry powder.

Personal protective equipment for firefighting: Firefighters should be equipped with full protective clothing, including closed-circulation breathing apparatus.



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Procedure and special precautions during firefighting: Fight the fire with any of the indicated extinguishing agents, always directing the jet at the base of the fire at an initial distance of 3 meters, if you have an emergency brigade, follow the internal protocols.

Combustion products that are harmful to health: Carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxides and other vapors of incomplete combustion.

Conditions leading to other special hazard: Take into account the hazards of other equipment or materials involved. This material will burn with a slow flame. It hydrolyzes in contact with humidity, releasing flammable and toxic vapors. Particular attention should be paid to the possible formation of an explosive mixture with air; for example, in tanks or containers that have not been cleaned.

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. In the event of a small spill, clean up immediately with mechanical equipment before the material cures. They will be made available to Federal, State and/or 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 and remove the material mechanically. Collect or scrape up the spilled material and place it in a special container for chemical waste.

SECTION VII. HANDLING AND STORAGE.

Precautions to be taken for safe handling: Premises and workplaces must have good ventilation. Keep away from incompatible substances and ignition sources.

Conditions for safe storage, including any incompatibility: Protect from moisture. Keep the container tightly closed in a cool place. Do not store outdoors.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT.

Control parameters:

Agent Name	CAS No.	Identifier	Qty	Measure	Source
Methanol	67-56-1	WANTED/ PPT// 77	200	ppm	NOM-STPS.

Appropriate technical controls: None.



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Personal protective equipment: Suggested.



SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

Physical state: Soft paste.

Color: Various colors.

Smell: Characteristic.

Boiling temperature: NA.

Melting temperature: NA.

Ignition temperature: >200°C

Autoignition temperature: NA.

Density: 1.4 g/cm³.

Molecular weight: Not determined.

pH: NA.

Evaporation rate: Not determined.

Solubility in water: Insoluble, reacts with water.

Vapor pressure: ND.

Volatility %: ND.

Flammability limits: ND.

Sup: ND.

Inf: ND.

VOC (g/L): >42

Appearance: Paste.

SECTION X. STABILITY AND REACTIVITY DATA.

The product is considered: Stable.

Incompatible materials: Reacts with water: Releases methanol. Basic substances and acids.

Spontaneous polymerization: It can't happen.

Conditions to Avoid: Avoid humidity (no dangerous reactions are known, if the product is stored and handled correctly).

Dangerous decomposition products: Due to environmental humidity and water: Formation of Methanol.

SECTION XI. TOXICOLOGICAL INFORMATION.

Information on probable routes of entry: Inhalation, skin, oral and ocular.



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Symptoms related to physical, chemical and toxicological characteristics: Irritation, headache, eye damage, nausea and dizziness.

Immediate and delayed effects, as well as chronic effects produced by short or long-term exposure: Probable skin irritation, Dry skin and irritate mucous membranes.

Acute toxicity: None.

Interactive Effects: ND.

Other information: None.

Ingestion of methanol or methanol-releasing compounds may result in delayed damage to the optic nerves and soft organs.

SECTION XII. ECOTOXICOLOGICAL INFORMATION.

Toxicity: Evaluation according to physicochemical properties: No long-term effects on aquatic organisms are expected.

Persistence and degradability: Silicone part: Not biodegradable: Precipitation due to sedimentation and oil separator.

Bioaccumulation potential: ND.

Mobility on soil: ND.

Other adverse effects: ND.

SECTION XIII. INFORMATION ON THE DISPOSAL OF THE PRODUCTS.

Product disposal: The waste of this substance must be managed in accordance with NOM-052_SEMARNAT-2005, this implies disposing of it in places authorized for the management of hazardous waste.

SECTION XIV. TRANSPORT INFORMATION.

It is not a hazardous 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 group:	ND.
5. Environmental risks:	ND.
6. Special precautions for use:	ND.
7. Measures for bulk transport:	ND.



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SECTION XV. REGULATORY INFORMATION.

None additional.

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 procedures in the specific context of the use you wish to give the product.