



Material safety data sheet (MSDS)

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Word of warning
 Section pictograms

Warning



Sheet 1 from 3

Pens HI-TECH

SECTION I Identification of the hazardous chemical substance or mixture and the supplier or manufacturer.

1) Name of the hazardous chemical or mixture: *pens HI TECH*
 2) Other means of identification: *Hybrid sealant*
 3) Recommended Use of the product: *Perimeter seals and window seals interior and exterior doors (see data sheet).*
 4) Name of the manufacturer or distributor: *Productos Pennsylvania, S.A. de C.V.*
 5) Address: *Camino a San José No. 1, Fracc. San Pablo Tecnológico. Querétaro, Qro. C.P. 76150*
 6) Use Restrictions: *The sealant must not be applied to surfaces impregnated with oils or greases.*
 7) Emergency telephone: *(442) 217 3232 (442) 217 3839*

SECTION II Hazard identification.

1) Classification of hazardous chemicals.
 Physical hazards: *H261 In contact with water releases flammable gas.*
 Health Hazards: *H335 May cause respiratory irritation.*
 2) Elements signal:
 Precautionary statements:
P102 Keep out of reach of children.
P210 Keep away from heat, sparks, open flame, hot surfaces and other sources of ignition. No smoking
P232 Protec from moisture.
 3) Other hazards:

SECTION III Composition / Information on Ingredients.

1) For substances: chemical identity of the substance	CAS	UN	%	CLASSIFICATION OF RISKS			
				H	I	R	E
<i>Not available</i>							
2) For mixtures: <i>vinyltrimethoxysilane</i> <i>3- (trimethoxysilyl) propylamine</i> <i>Rest of the formula considered confidential</i>	2768-02-7	NA	1 - 5	1	1	0	
	13822-56-5	NA	0.5 - 1.5	1	1	0	
		NA	variable				



SECTION IV First aid.

Inhalation: *In case of suffocation, supply oxygen. If not breathing, apply artificial respirator*
In case of inhalation of the subproduct of vulcanization, breathe fresh air.
 Ingestion: *If swallowed, several glasses of water bolt not induce vomiting.*
If vomiting occurs, give additional fluids. Seek medical advice
 Eye contact: *If contact with eyes, immediately hold eyelids apart and rinse with water for at least 15 minutes*
 Skin contact: *Remove the product from the skin with a cloth, wash with plenty of water and soap, if the discomfort persists consult your doctor.*
 Other existing health risks: *undetermined*
 Antidote (if any) or information for the emergency physician: *In case of contact with water, the product gives off greater amounts of methanol (also in the digestive tract): therefore consider the possibility of methanol poisoning.*

SECTION V Fire prevention measures.

a) Extinguishing Media:
 Water
 Foam
 CO2
 PQS
 Other
 b) Personal protective equipment for fire fighting:
In initial phase it is not required specific PPE, fire secondary phase 2 or or when temperature and smoke suddenly increases accumulates significantly, should be used structural firefighting equipment, self-contained breathing
 c) Procedure and special precautions during fire fighting.
Fight fire with any of the extinguishing agents are mentioned, always directing the jet at the base of the fire at an initial distance of 3 meters, it will have emergency brigade, follow the internal protocols.
 d) Conditions that lead to another special risk:
Tomar en cuenta los peligros de los demás equipos o materiales involucrados. Este material se quemará con una llama lenta. Se hidroliza en contacto con la humedad liberando vapores inflamables y tóxicos. Debe prestarse especial atención a la posible formación de una mezcla explosiva con el aire; por ej., en depósitos o contenedores que no se hayan limpiado.
 e) combustion products which are harmful to health.
Carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, oxides of nitrogen and unburned hydrocarbons incomplete

SECTION VI Measures to be taken in case of accidental spill or accidental release

- a) The procedures and precautions required for cases of leaks or spills:
This product has no risk of leakage or spillage. In case of a small spill, clean immediately with mechanical equipment before the material heals. They will be made available to Federal, State and/or Local rules and/or laws.
- b) The mitigation methods for controlling the substance:
To avoid adhesion, sprinkle the surface with sand and remove the material mechanically. Collect or scrape the spilled material and deposit it in a special container for chemical waste.
- c) Environmental precautions:
Uncontrolled discharges to soil or water could lead to adverse ecological effects, the necessary measures must be taken to avoid discharges to the environment, any spill must be contained and cleaned immediately before the material heals.

SECTION VII Handling and storage.

- a) Precautions for safe handling:
Local and jobs should preferably have good ventilation. I keep away from incompatible substances. Keep away from sources of ignition. It is recommended not to smoke.
- b) Conditions for safe storage, including any incompatibilities:
Protect from moisture. Keep the container tightly closed in a cool place. Do not store outdoors.

SECTION VIII Exposure controls / personal protection.

a) Control parameters.						b) Appropriate engineering controls.	
Agent Name	CAS Number	Identifier	Qu	Measure	Reference	Any	
Methanol	67-56-1	VLE/PPT//77	#	ppm	NOM-010-STPS		
c) Personal protective equipment. <i>suggested</i>						  Although it is not a product with significant risks, the use of personal protective equipment indicated is suggested	

SECTION IX physico-chemical properties.

a) Boiling point	NA	f) Molecular weight	NA	k) Evaporation rate	NA	p) Flammability Limits	
b) Melting temperature	NA	g) pH	NA	l) water solubility <i>react with water</i>	non-soluble	Sup./Inf.	NA
c) Ignition temperature	> 200 °C	h) Form	soft paste	m) Vapor Pressure	NA	q) Density Vap.	NA
d) Autoignition Temperature	NA	i) Color	various	n)% Volatile	NA	r) VOC (g/L)	<42
e) Decomposition temperature	NA	j) Odor	characteristic	o) Viscosity	NA	s) Density	1.4 g / cm ³

SECTION X Stability and reactivity data

a) The product is considered:	b) Incompatibility (substances to avoid): <i>Reacts with water: Releases methanol. Basic substances and acids.</i>	c) Hazardous decomposition products: <i>For environmental humidity and water: Methanol Formation</i>
Stable <input checked="" type="checkbox"/>	d) spontaneous Polymerization	It can happen
Unstable <input type="checkbox"/>		It can not happen
	e) Other conditions to avoid in order to avoid reactions: <i>Avoid wet (no known dangerous reactions, yes the product is stored and handled correctly).</i>	

SECTION XI Toxicological information.

1. likely routes of entry:	<i>Inhalation, cutaneous, oral and ocular.</i>	4. Acute toxicity:	Any
2. Symptoms:	<i>Irritation, headache, eye damage, nausea and dizziness.</i>	5. Interactive effects:	Undetermined
3. short- and long-term:	<i>It dries out the skin and irritates the mucous membranes.</i>	6. Other information:	Any

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

SECTION XII ecotoxicological information.

1. Toxicity: <i>Evaluation according to the physico-chemical properties: No expected harmful effects aqueous organisms</i>	4. Mobility in soil: Unavailable
2. Persistence and degradability: <i>Silicone part: Not biodegradable: Precipitation by sedimentation and oil separator.</i>	5. Other side effects: Unavailable
3. Potential for bioaccumulation: Unavailable	

SECTION XIII Information on the disposal of products.

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

SECTION XIV**Transport information**

It is not a hazardous material

As regards the general transport routes of land communication and related ancillary services in relation to the Regulation for the Land Transport of Hazardous Materials and Waste, the Secretariat of Communications and Transportation

1. UN Number	NA	4. Environmental risks:	NA
2. shipping name UN:	NA	6. Special precautions for user:	NA
3. Hazard class in transport:	NA	7. Measures for bulk transport:	No specific
4. Group packing:	NA		

SECTION XV**Regulatory information.**

None additional

SECTION XVI**Other relevant information.**

Information deemed correct but is not exhaustive and will be used only as a guide, which is based on the present state of knowledge and is applicable to the same appropriate safety precautions.

The present data are provided in good faith as typical values and not as product specifications. The recommended for handling procedures are believed generally applicable. However, the user must provide these recommendations in the specific context of use you want to give the product.