



Material safety data sheet (MSDS)

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Word of warning: **WARNING**
 Section pictograms:



Sheet 1 from 3

Pens silicone bath and kitchen

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

1) Name of the hazardous chemical or mixture: *Pens silicone bath and kitchen*
 2) Other means of identification: *Silicone sealant*
 3) Recommended Use of the product: *Seals in places with constant incidence moisture and are in bathrooms: tubs, sinks, WC, cespoles and aluminum connections*
 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 should not be applied in completely enclosed areas because it requires relative humidity for vulcanization*
 7) Emergency telephone: *(442) 217 3232 (442) 217 3839*

SECTION II Hazard identification.

1) Classification of hazardous chemicals:
 Physical hazards: *Any*
 Health Hazards: *H332 Harmful if inhaled*
 2) Elements signal:
 Precautionary statements:
P102 Keep out of reach of children.
P273 Avoid release to the environment
P332 + P313 If skin irritation, consult a doctor
P305+P351+P338 in case of contact with eyes: Rinse with water carefully for several minutes. Remove contact lenses when they are present and can be done easily. Continue with the washing.
 3) Other hazards:

SECTION III Composition / Information on Ingredients.

1) For substances:
 chemical identity of the substance
Polydimethylsiloxane and acetoxysilane filler and auxiliary and crosslinking agents.

CAS	UN	%
64742-46-7	NA	5 - 10
17689-77-9	NA	< 3
	NA	< 2
64359-81-5	NA	0.01-0.05

 2) For mixtures:
Mixture of non-aromatic hydrocarbons.
Triacetoxo ethylsilane.
Ethyl acetoxysilane and methylacetoxysilane oligomers.
4,5-dichloro-2-n-octyl-4-isothiazolin-3-one.
The rest of the formula is confidential



SECTION IV First aid.

Inhalation: *If inhaled, move the person to an area with fresh air.*
 Skin contact: *Immediately remove the product from the skin and clothing with a cleansing agent without water. Then, clean with soap and water.*
 Ingestion: *If swallowed, do not induce vomiting. Give plenty of water to drink in small sips. Seek medical advice immediately*
 Other existing health risks: *Get medical attention if irritation occurs or if breathing becomes difficult.*
 Eye contact: *If contact with eyes, immediately hold eyelids apart and rinse with water for at least 15 minutes.*
 Antidote (if any) or information for the emergency physician: *Not available*

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:
Take into account the dangers of other equipment or materials involved.
 e) combustion products which are harmful to health.
Acetic acid

pens silicone bath and kitchen

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 the event of a small spill, clean up immediately with mechanical equipment before the material to cure. They will be made available to Federal, State and / or Local regulations and / or laws.

b) The mitigation methods for controlling the substance:

To avoid sticking, dust the surface with sand or podzol and remove the material mechanically. Pick up or scrape up spilled material and place in a special container for chemical waste. Remove any residual sediment that may come off with a cleaning / soap product or other biodegradable cleaning product. To improve workability, add sand or other inert and rainy material.

c) environmental precautions:

Uncontrolled discharges to the ground or water could have adverse ecological effects, the necessary measures must be taken to avoid discharges to the environment, any spillage should be contained and cleaned up immediately before the material cures.

SECTION VII Handling and storage.

a) Precautions for safe handling:

*Ventilate / exhaust in the workplace. Use only in well-ventilated areas. Keep ignition sources away - Do not smoke
Protect against electrostatic charges*

b) Conditions for safe storage, including any incompatibilities:

*Recommended container type: cartridges and plastic tubes. At temperatures below 4 ° C and above 45 ° C.
Water or humidity, alkaline substances and alcohols.*

SECTION VIII Exposure controls / personal protection.

a) Control parameters.

Substance	No CAS	Regulatory limits		
Acetic acid	64-19-7	OSHA PEL	25 mg/m ³	10 ppm

c) Personal protective equipment.
suggested



b) Appropriate engineering controls.

Adequate ventilation in the work area.

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	Any	Sup./Inf.	NA
c) Ignition temperature	NA	h) Form	paste	m) Vapor Pressure	NA	q) Density Vap.	NA
d) Autoignition Temperature	400 °C	i) Color	various	n)% Volatile	NA	r) VOC (g/L)	<31
e) Decomposition temperature	NA	j) Odor	spicy	o) Viscosity	NA	s) Density	1.01 g/cm

SECTION X Stability and reactivity data

a) The product is considered:

Stable ←
Unstable

b) Incompatibility (substances to avoid):

Water or humidity, alkaline substances and alcohols.

d) spontaneous Polymerization

It can happen

It can not happen

e) Other conditions to avoid in order to avoid reactions:

Humidity, heat, open flames, and other sources of ignition.

c) Hazardous decomposition products:

If hydrolyzed, the product can release acetic acid. In closed places, vapors can form mixtures with air that can react in the presence of sources of ignition.

From approx. 150 ° C releases small amounts of formaldehyde due to oxidation.

SECTION XI Toxicological information.

- likely routes of entry: *Inhalation, skin*
- Symptoms: *irritation*
- short- and long-term: *Likely skin irritation*

- Acute toxicity: *Any*
- Interactive effects: *Undetermined*
- Other information: *Any*

SECTION XII ecotoxicological information.

- Toxicity: *may be toxic to aquatic organisms*
- Persistence and degradability: *Silicone part: It is not biodegradable. Sedimentation separation. The hydrolysis product (acetic acid) is easy to decompose biologically.*
- Potential for bioaccumulation: *Polymer component: Bioaccumulation unlikely.*

- Mobility in soil: *Insoluble in water in vulcanized state. Easily separable from water by filtration.*
- Other side effects: *None documented*

SECTION XIII Information on the disposal of products.

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

pens silicone bath and kitchen

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

SECTION XV***Regulatory information.***

no 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.