



# Material Safety Data Sheet (MSDS)

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## Globally Harmonized System

Signal word

**Danger**

Pictogram section



Sheet 1 of 4

## Pens foam

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

1) Name of the hazardous chemical substance or mixture: <i>Pens foam</i>	
2) Other means of identification: <i>Polyurethane Foam Sealant</i>	
3) Recommended use of the product: <i>This product is used to perform interior and exterior seals (see technical sheet).</i>	Restrictions of use: <i>Do not place in hot water or near radiators heaters, stoves or other sources of heat or above 49°C</i>
4) Name of the manufacturer or distributor: <i>Productos Pennsylvania, S.A. de C.V.</i>	5) Emergency telephone number: <i>(442) 217 3232 (442) 217 3839</i>
b) Address: <i>Camino a San José No. 1, Fracc. San Pablo Tecnológico Querétaro, Qro. C.P. 76150</i>	

### SECTION II Hazard identification.

1) Clasificación de las sustancias químicas peligrosas.	
Peligros físicos: <i>H222-H229 Extremely flammable aerosol. Pressure vessel: it may burst if heated.</i>	Peligros para la salud: <i>H332 Harmful if inhaled H315 Causes skin irritation H319 Causes serious eye irritation H317 May cause an allergic skin reaction H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H351 Suspected of causing cancer H362 May cause harm to breast-fed children H335 May cause respiratory irritation H413 May cause long lasting harmful effects to aquatic life H373 May cause damage to organs through prolonged or repeated exposure</i>
2) Signaling elements:	
Precautionary statements <i>P102: Keep out of reach of children. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P201: Obtain special instructions before use. P251: Pressurized container – Do not pierce or burn, even after use. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P284: Wear respiratory protection. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P302+P352: IF ON SKIN: Wash with soap and water.</i>	<i>P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P410+P403: Protect from sunlight. Store in a well ventilated place. P502: Refer to manufacturer or supplier for information on recovery or recycling. P308+P313: IF exposed or concerned: Get medical advice/attention. P308-313 En caso de exposición manifiesta o presunta</i>  <b>Dangerous components to indicate on the labeling:</b> Diphenylmethane diisocyanate, isomers and homologues alkanes, C14-17, chlorine

Additional data:

This product can cause allergic reactions in people sensitive to diisocyanates. People with asthma, eczema, or skin conditions should avoid all contact with this product, including skin contact. This product must not be used in poorly ventilated conditions unless a protective mask with a suitable gas filter is used (for example, type A1 according to EN 14387). Contains isocyanates. May produce an allergic reaction.

3) Other hazards: **Results of PBT and vPvB assessment. Not applicable.**

**SECTION III****Composition / information on ingredients.**

1) For substances:

Chemical identity of the substance

*Diphenylmethane diisocyanate, isomers and homologues.**Isobutane**Alkanes*

No. CAS

No.  
ONU

%

101-68-8

9016-87-9

ND

25-30

75-28-5

ND

10-15

85535-85-9

ND

10-20



2) For mixtures:

*NA***SECTION IV****First aid.**

Inhalation:

*Provide enough fresh air and, for safety, consult a doctor.**Fainted persons should lie down and carry on their side with sufficient stability.*

Skin contact:

*Wash immediately with soap and water and rinse thoroughly.*

Ingestion:

*Take this MSDS and consult your doctor.*

General instructions.

*Symptoms of poisoning can appear after many hours, so medical supervision is required for a minimum of 48 hours after the accident.*

Eye contact:

*Rinse open eyes for several minutes with running water. In case of persistent symptoms, consult a doctor.*

Antidote (if any) or information for the emergency doctor:

*NA***SECTION V****Fire fighting measures.**

a) Extinguishing media:

Water

Foam

CO<sub>2</sub>

Dry Powder/Chemical

Other

b) Personal protective equipment for fire fighting:

*In the initial phase, no PPE is required. In large fire, use full firefighter's equipment.*

c) Procedure and special precautions during fire fighting.

*Downwind, directing the extinguishing agent to the base of the fire and following internal fire brigade procedures.*

d) Conditions that lead to another special risk:

*Heat, hot surfaces and sources of ignition.*

e) Products of combustion that are harmful to health.

*Azo Oxides (Nox), Carbon Monoxide (CO), Hydrogen Cyanide (HCN)*

f) Additional indications.

*Cool tanks in danger with a jet of water spray. Fire remains as well as contaminated extinguishing water must be disposed of in accordance with current regulations.***SECTION VI****Steps to be taken in the event of accidental spill or accidental leak**

a) The special procedures and precautions required in the event of leaks or spills:

*Keep away from ignition sources.**Make sure there is sufficient ventilation when using the product.**Wear protective equipment. Keep away people without protection.*

b) Mitigation methods to control the substance:

*According to the provisions of Federal, State and / or Local laws.**Dispose of contaminated material as waste according to item XIII.*

c) Environmental precautions:

*When entering the water or the sewer, notify the relevant authorities. Prevent it from entering sewers / surface waters / groundwater.*

**SECTION VII****Handling and storage.**

a) Precautions to be taken for safe handling:

*Provide a suitable suction system in the processing machines.**Ensure sufficient ventilation / aspiration in the workplace.**Open and handle the container with care.**Prevention of fires and explosions:**Keep away from ignition sources. No Smoking.**Protect against electrostatic charges.*

b) Conditions for safe storage, including any incompatibilities.

*Requirements regarding the warehouse and containers:**Store in a cool place Store only in the original container.**Observe current regulations for the storage of compressed gas containers.**Regulations for common storage: Do not store together with oxidizing agents.**Additional information on storage conditions:**Store in a cool place. Heating increases pressure and the risk of bursting.**Protect from moisture and water. Keep container tightly closed. Do not close gas-tight container.**Store in tightly closed containers in a cool, dry place Protect from heat and direct sunlight.***SECTION VII****Exposure controls / personal protection.**

a) Control parameters/Permissible Exposure Limits

Substance	CAS No	ppm	mg/m3	8-hour TWA (C) Ceiling	Up to 10-hour TWA (C) Ceiling
Diphenylmethane diisocyanate	101-68-8	(C) 0.02	(C) 0.2	0.005 ppm	0.05 mg/m3 (C) 0.2 mg/m3 [10-

b) Appropriate engineering controls.

*Good ventilation*

c) Personal protective equipment.

*Suggestion*

Short exposition



Intense exposure and longer duration.

**SECTION IX****Physico-chemical properties.**

a) Boiling temperature	NA	f) Explosive properties	ND	k) Evaporation rate	ND	o) Explosion limits	
b) Melting temperature	Indeterminate	g) Molecular weight	ND	l) Solubilized in water	Bit or Insoluble	Sup.	18,6 Vol %
c) Ignition temperature	199°C/390°F	h) Physical state	Aerosol	m) Vapor pressure at 20°C	ND	Inf.	3,0 Vol %
d) Autoignition temperature	Not apply	i) Color	Various	n) % volatility	NA	p) VOC (CE)	25,7 %
e) Density at 20°C/68°F	Indeterminate	j) Odor	Characteristic				

**SECTION X****Stability and reactivity data.**

a) The product is considered:

Stable

Unstable



b) Incompatibility (substances to avoid):

*No further relevant data available*

c) Hazardous decomposition products:

*Hydrocyanic acid (Prussian acid)**Carbon monoxide**Azo oxides (NOx)*

d) Spontaneous polymerization: Can happen

Can't happen



e) Other conditions to avoid so as not to generate reactions:

*High humid environments, sources of ignition and temperatures above 49 ° C.***SECTION XI****Toxicological information.**

1. Routes of probable entry:	<i>inhalation, ocular, dermal</i>	4. Acute toxicity:	<i>Harmful if inhaled</i>
2. Primary stimulating effect:	<i>Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties in case of inhalation. May produce an allergic reaction on the skin. It is suspected of causing cancer.</i>	5. Interactive effects:	<i>ND</i>
3. Short and long term effects:	<i>May irritate respiratory tract (single exposure). May cause damage to organs through prolonged or repeated exposure.</i>	6. Other information:	<i>It can harm breast-fed children.</i>

<b>SECTION XII</b>		<b>Ecotoxicological information.</b>	
1. Toxicity:	ND	4. Mobility in the soil:	ND
2. Persistence and degradability	ND	5. Other adverse effects:	
3. Bioaccumulative potential:	ND	<i>Water hazard level 2 (self-assessment): hazardous for water. In the undiluted or neutralized state, do not allow it to infiltrate into groundwater, surface water, or sewers.</i>	
<b>SECTION XII</b>		<b>Information regarding the disposal of the products.</b>	
<i>Disposal must be done in accordance with federal, state, and local regulations.</i>			
<i>It must not be disposed of with household waste. You should not reach sewage system.</i>			
<b>SECTION XI</b>		<b>Transport information</b>	
<i>Regarding transport by general land communication routes and its related auxiliary services, in relation to the Regulations for Land Transport of Hazardous Materials and Waste. Transport with aerosol identification.</i>			
1. UN number: ###		4. Environmental risks:	ND
2. UN proper shipping name:	ADR, IMDG, IATA	6. Special precautions for user:	ND
3. Transport hazard class:	2 5F Flammable Liquid Gases	7. Measures for bulk transport:	ND
4. Packing group:	Suppressed		
<b>SECTION XV</b>		<b>Regulatory information.</b>	
<i>There are no more relevant data</i>			
<b>SECTION XV</b>		<b>Other relevant information.</b>	
<i>The data is based on the current state of our knowledge, but does not constitute any guarantee of the qualities of the product and does not generate any contractual legal relationship.</i>			
<i>These data are provided in good faith, as typical values and not as product specifications. The recommended handling procedures are understood to be of general application. However, the user must foresee these recommendations in the specific context of the use that he wishes to give the product.</i>			