



Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Thermoset

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: Thermoset.

Other means of identification: Polybutene.

Recommended Use of the product: It has been designed for the refrigeration industry (assembly seal), the electrical industry. (seal of joints in equipment, ducts, muffles, etc.).

Use Restrictions: Do not use on wet surfaces with grease and oil.

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).

Sign elements, including precautionary statements and precautionary pictograms:

Health hazards:

H302 Harmful if swallowed.

H316 Causes mild skin irritation.

H320 Causes eye irritation.

Signal word: ATTENTION.

Pictograms:



Hazard statements:

H302 Harmful if swallowed.

H316 Causes slight skin irritation.

H320 Causes eye irritation.

Precautionary statements:

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

P305+P351+P338 in case of contact with eyes, rinse carefully for several minutes and remove contact lenses when present.

Other considerations:

Do not leave within the reach of children.



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SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical identity of the substance: Mixture formed by the substances specified below with non-hazardous additions.

Component	CAS No.	UN No.	%
Mineral fiber.	65997-17-3	ND.	5 - 10
Mineral loads.	1332-58-7	ND.	65 - 75
	1317-65-3	ND.	
	14808-60-7	ND.	
	14807-96-6	ND.	
Plasticizers.	85-68-7	ND.	1 - 3
Mineral oils.	64742-65-0	ND.	15 - 25
Polibutenos.	9003-27-4	ND.	ND.

SECTION IV. FIRST AID MEASURES.

First aid description:

Inhalation: If inhaled, move person to fresh air.

Skin Contac: Immediately remove the product from the skin and proceed to clean with plenty of soap and water.

Ingestion: If swallowed, do not induce vomiting. See a doctor immediately. Carry this SDS with you.

Eye contact: Wash eyes with plenty of water for 15 minutes. If discomfort persists, consult your doctor.

Antidote (if available) or information for the emergency physician: Get medical attention if infection occurs. NFPA logo. Rev. 6 Date: May 2023 irritation or if breathing becomes difficult.

Other existing health risks: ND.

SECTION V. FIRE-FIGHTING MEASURES.

Suitable extinguishing media: Water spray, foam, carbon dioxide (CO₂), ABC dry powder.

Personal protective equipment for firefighting: In the initial phase, specific PPE is not required, in the 2 or secondary fire or when the temperature suddenly increases and smoke accumulates considerable, structural firefighter, self-contained breathing apparatus (SCBA) should be used.

Special procedure and precautions during firefighting: Fight fire with any of the designated extinguishing agents, always directing the jet at the base of the fire at an initial distance of 3 meters, There is an emergency brigade, follow internal protocols. Cool containers that have been damaged with water damage.

Combustion products that are harmful to health: Carbon dioxide (CO₂), Carbon monoxide (CO) and other fumes from combustion.



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Conditions leading to another special hazard: Keep away from ignition sources. No Smoking.

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: Preferably eliminate ignition sources. Contain spilled liquid with suitable material (for example, earth or spill pads). To prevent sticking, sprinkle the surface with sand or podzol and remove the material mechanically. Pick up or scrape up spilled material and place it in a special waste container. damage. Combustion products that are harmful to health: Carbon dioxide (CO₂), Carbon monoxide (CO) and chemicals. Dispose of waste properly.

Environmental precautions: Avoid entering water, wastewater and soil. Stop the escape if it can be done without danger. Retain contaminated water/water used for fire fighting or cleaning. Disposal in labeled containers as prescribed. When discharging into river water, sewage or subsoil inform the competent authorities.

Mitigation methods to control the substance: Eliminate any residual sediment that is released with a cleaning/soap product or other biodegradable cleaning product. To improve manageabilit add sand or other inert and granular material.

SECTION VII. HANDLING AND STORAGE.

Precautions to be taken for safe handling: Ensure good ventilation/exhaustion at the site of work. Keep the area well ventilated. Keep ignition sources away. Do not smoke.

Conditions for safe storage, including any incompatibility: None.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT.

Control parameters:

Name of agent.	CAS No.	Identifier	Qty	Measure	Source
Dibutyl phthalate	(84-74-2)	WANT/ PPT	5	mg/ m ³	NOM-010-STPS
Mineral oil	(64742- 65-0)	WANT/ PPT	5	mg/ m ³	OSHA PEL

Appropriate technical controls: Use in a well-ventilated area, if not available, use: Mask with filter for organic vapors, gloves and glasses.



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Personal protective equipment: Suggested.



SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

Physical state: Pasty.

Color: White.

Odor: Polybutene.

Boiling temperature: ND.

Melting temperature: ND.

Ignition temperature: ND.

Autoignition temperature: > 400 °C.

Density: 1 - 1.10 g/cm³

Molecular weight: ND.

pH: ND.

Evaporation rate: ND.

Solubility in water: None.

Vapor pressure: ND.

% volatility: ND.

Flammable limits: ND.

Sup: ND.

Inf: ND.

VOC (g/L): ND.

SECTION X. STABILITY AND REACTIVITY DATA.

The product is considered: Stable.

Incompatible materials: Avoid strong acids and oxidizing agents.

Spontaneous polymerization: Can not happen.

Conditions to Avoid: Do not expose to sources of ignition, heat or surfaces with high temperatures.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.

SECTION XI. TOXICOLOGICAL INFORMATION.

Information on probable routes of entry: Dermal, ingested or inhaled.

Symptoms related to physical, chemical and toxicological characteristics: Dizziness, headache and irritation.



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Immediate and delayed effects, as well as chronic effects from short or long-term exposure: Probable mild skin irritation.

Acute toxicity: None.

Interactive effects: ND.

Other information: None.

SECTION XII. ECOTOXICOLOGICAL INFORMATION.

Toxicity: ND.

Persistence and degradability: ND.

Bioaccumulative potential: ND.

Mobility on soil: ND.

Other side effects: Do not disperse in aquatic environments.

SECTION XIII. INFORMATION ON THE DISPOSAL OF THE PRODUCTS.

This product, once cured, does not represent a risk and can be disposed of as urban solids. It is recommended to check if any special handling is indicated in local legislation.

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 group:	ND.
5. Environmental risks:	ND.
6. Special precautions for use:	ND.
7. Measures for bulk transport:	ND.

SECTION XV. REGULATORY INFORMATION.

None additional.



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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. 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. Date: May 2023 These data are provided in good faith, as typical values and not as product specific. The user must consider these recommendations in the specific context of the use they wish to give to the product.