



Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Firmset

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: Firmset.

Other means of identification: Mastic.

Recommended use of the product: To seal the joints that are formed when placing glass, within the frames for windows, whether made of wood, iron, structural or tubular sheet.

Use Restrictions: Do not use in applications where there are strong vibrations or movements.

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).

Classification of dangerous chemicals: Skin sensitivity. category 1.

Elements of signage, including precautionary statements and caution pictograms.

Physical hazards: None.

Health Hazards:

H303 May be harmful if swallowed.

H316 Causes mild skin irritation.

H320 Causes eye irritation.

Warning Word: ATTENTION.

Pictogram section:

It does not apply since the risks are minimal and it does not consider identification according to GHS (Globally Harmonized System).

Danger indications:

H303 May be harmful if swallowed.

H316 Causes mild skin irritation.

H320 Causes eye irritation.

Precautionary statements:

P102 Keep out of reach of children.

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



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P305+P351+P338 In case of contact with eyes: Rinse carefully with water for several minutes. Remove contact lenses when present and can be done easily. Continue with washing.

SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical identity of the substance: NA.

Component	CAS No.	UN No.	%
Mineral oil.	ND.	ND	10 – 20
Vegetable oil.	ND.	ND	1.0 - 4
Mineral fillers.	ND	ND	70 - 80
The rest of the formula is considered confidential.	ND	ND	Variable.

SECTION IV. FIRST AID MEASURES.

First aid measures:

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 immediately with plenty of water for 15 minutes. If the discomfort persists, consult your doctor.

Antidote (if available) or information for the emergency physician: Get medical attention if irritation occurs or breathing becomes difficult. Small amounts of methanol can be formed by hydrolysis.

Other existing health risks: ND.

SECTION V. FIRE-FIGHTING MEASURES.

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

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

Procedure and special precautions during fire fighting: 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, there is an emergency brigade, follow internal protocols.

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



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Conditions leading to other special hazards: Keep away from ignition sources. No Smoking. Take into account the dangers of other equipment or materials involved.

SECTION VI. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILL OR ACCIDENTAL RELEASE.

Special procedures and precautions required in case of leaks or spills: This product does not have a risk of leak or spill. In case of, to avoid adhesion, 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.

Environmental precautions: Avoid entering water, wastewater and soil. Stop leak if it can be done safely. Retain water contaminated or used for firefighting or cleaning. Disposal in labeled containers according to environmental legislation.

Mitigation methods to control the substance: Remove any residual sediment released with a cleaning/soap product or other biodegradable cleaning product. To improve workability, add sand or other inert, granular material.

SECTION VII. HANDLING AND STORAGE.

Precautions to be taken for safe handling: Premises and workplaces should preferably have good ventilation. Keep away from incompatible substances. Keep away from sources of ignition. It is recommended not to smoke.

Conditions for safe storage, including any incompatibility: Store in a cool, dry cellar. Do not package or store at temperatures below 3°C and above 45°C.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT.

Control parameters:

Agent Name	CAS No.	Identifier	Qty	Measure	Source
Methanol	67-56-1	WANT/ PPT	200	ppm	NOM-010-STPS

Appropriate technical controls: Ventilation.

Personal protective equipment: Suggested.



Although it is not a product with significant risks, the use of the indicated personal protective equipment is suggested.



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SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

Physical state: Putty.

Color: Gray.

Smell: Mineral oil.

Boiling temperature: ND.

Melting temperature: ND.

Flash point: ND.

Auto-ignition temperature: 400°C.

Density: 1.97 - 20.2 g/cm³.

Molecular weight: Not determined.

pH: Not determined.

Evaporation rate: ND.

Solubility in water: Not soluble.

Vapor pressure: NA.

% volatility: 0.1

Flammable limits:

Sup. ND.

Inf. ND.

VOC (g/L): ND.

SECTION X. STABILITY AND REACTIVITY DATA.

The product is considered: Stable.

Incompatible materials: Humidity and heat.

Spontaneous polymerization: Can not happen.

Conditions to avoid: Humidity and heat sources.

Hazardous Decomposition Products: Small amounts of methanol (CAS 67-56-1) may be formed by hydrolysis during the curing process.

SECTION XI. TOXICOLOGICAL INFORMATION.

Information on probable routes of entry: Ocular, cutaneous.

Symptoms related to physical, chemical and toxicological characteristics: Irritation.

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

Acute toxicity: None.

Interactive Effects: ND.

Other information: None.



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SECTION XII. ECOTOXICOLOGICAL INFORMATION.

Toxicity: No harmful effects are expected in aqueous organisms. Based on experience with its use to date, no negative effects from waste are suspected.

Mobility in soil: polymerer component: Insoluble in water.

Persistence and degradability: Silicone part: Not biodegradable.

Bioaccumulative potential: Bioaccumulation unlikely.

Other side effects: None documented.

SECTION XIII. INFORMATION ON THE DISPOSAL OF THE PRODUCTS.

Disposal must be in accordance with federal, state and local regulations. Although once cured it does not represent a risk and can be discarded 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.

1. UN Number:	ND.
2. UN proper shipping name:	ND.
3. Transport hazard class:	ND.
4. Packing/Packaging group:	ND.
5. Environmental risks:	ND.
6. Special precautions for the user:	ND.
7. Measures for bulk transport:	None specific.

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 recommended handling procedures are intended to be of general application. However, the user must consider these recommendations in the specific context of the use they wish to give to the product.