



Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Ferresilicón

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: Ferresilicón.

Other means of identification: Silicone sealant.

Recommended Use of the product: Seal glass, aluminum, porcelain ceramic (see technical sheet).

Use Restrictions: Do not use in completely closed areas, since it requires relative humidity for its vulcanization.

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).

Elements of signage, including precautionary statements and caution pictograms.

Physical hazards: None.

Health Hazards:

H315 Causes skin irritation.

Warning Word: ATTENTION.

Pictogram section:



Danger indications:

H315 Causes skin irritation.

Precautionary statements:

P102 Keep out of reach of children.

P264 Wash carefully after handling.

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

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



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Other hazards: NA.

SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical identity of the substance: NA.

COMPONENT	CAS No.	UN No.	%
Petroleum distillates, hydrogen 7 treated middle fraction.	64742-46-7	ND	20 < 80
Metiltriacetoxisilano	4253-34-3	ND	1 < 4
Rest of the confidential formula.	ND	ND	Variable.

SECTION IV. FIRST AID MEASURES.

First aid description:

Inhalation: If the product is inhaled, move the victim to a well-ventilated area. If she is not breathing, practice artificial respiration, preferably mouth to mouth. If breathing is difficult, administer oxygen. Seek medical attention.

Skin Contac: For skin cleansing, remove completely with a dry cloth or paper towel, before washing with detergent and water. In case of skin irritation: consult a doctor.

Ingestion: If swallowed, DO NOT induce vomiting. Give a glass of water to drink.

Eye contact: In case of contact with eyes, rinse eyes immediately with plenty of water and call for medical help.

Antidote (if available) or information for the emergency physician: NA.

Other existing health risks: ND.

SECTION V. FIRE-FIGHTING MEASURES.

Suitable extinguishing media: 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 or secondary fire or when the temperature increases and smoke accumulates considerably, structural firefighter equipment must be used, autonomous breathing.



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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, if you have an emergency brigade, follow the internal protocols.

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

Conditions leading to other special hazards: Take into account the hazards of other equipment or materials involved.

Do not spray towards a flame or an incandescent body. Keep away from any ignition source. No smoking.

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: Dry, scrape or use an inert material and place in a container for waste disposal. Wash traffic surfaces with detergent and water to reduce the risk of slipping on them. Wear appropriate protective equipment, as indicated in the respective section.

Environmental precautions: Uncontrolled discharges to soil or water could have adverse ecological effects, necessary measures must be taken to avoid discharges to the environment, any spill must be contained and cleaned up immediately before the material cures.

Mitigation methods to control the substance: This product has no risk of leak or spill. In the event of a small spill, clean up immediately with mechanical equipment before the material cures.

SECTION VII. HANDLING AND STORAGE.

Precautions to be taken for safe handling: Use only in well-ventilated areas. Keep container tightly closed. Remove contact lenses before using sealant. Remnants of sealant they can remain on fingers for several days and transfer to lenses, causing serious eye irritation.

Conditions for safe storage, including any incompatibility: The product releases acetic acid during application and curing.

Adequate ventilation must be provided so that exposure limits are not exceeded. Avoid inhalation of vapors and mists.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT.

Control parameters:

Agent Name	CAS No.	Identifier	Qty	Measure
Petroleum distillates, fraction hydrogen treated intermediate.	7429-90-5	WANT/ PPT	400	mg/m ³



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Appropriate technical controls: None.

Personal protective equipment: Suggested.



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

SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

Physical state: Paste.

Color: Various.

odor: Acetic acid.

Boiling temperature: ND.

Melting temperature: ND.

Ignition temperature: > 93.3 °C.

Auto-ignition temperature: 400°C.

Density at 20°C: 0.973 g/cm³

Explosive properties: ND.

Molecular weight: ND.

Evaporation rate: ND.

Solubility in water: None.

Vapor pressure at 20°C.

% volatility: NA.

Flammable limits:

Sup: ND.

Inf: ND.

VOC (g/L): 34.

SECTION X. STABILITY AND REACTIVITY DATA.

The product is considered: Stable.

Incompatible materials: ND.

Spontaneous polymerization: Can not happen.

Conditions to avoid: Contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C).

Hazardous Decomposition Products: Product releases acetic acid during application and curing. Carbon dioxide, Formaldehyde, Acetic acid and Silicon dioxide.



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SECTION XI. TOXICOLOGICAL INFORMATION.

Information on probable routes of entry: Ocular, cutaneous.

Symptoms related to physical, chemical and toxicological characteristics: Probable skin and eye irritation.

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

Acute toxicity: None.

Interactive Effects: ND.

Other information: None.

SECTION XII. ECOTOXICOLOGICAL INFORMATION.

Toxicity: ND.

Persistence and degradability: Silicone part: Not biodegradable. The hydrolysis product (acetic acid) is easy to decompose biologically.

Bioaccumulative potential: ND.

Mobility on soil: ND.

Other side effects: ND.

SECTION XIII. INFORMATION ON THE DISPOSAL OF THE PRODUCTS.

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

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.



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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.