Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Pens RTV 200

Rev. 6
Fecha: MAY0 2023

SECTION I. IDENTIFICATION OF THE HAZARDOUS CHEMICAL SUBSTANCE OR MIXTURE AND THE SUPPLIER OR MANUFACTURER.

Name of the hazardous chemical or mixture: Pens RTV 200.
Other means of identification: Silicone sealant.
Recommended Use of the product: This product is ideal for refrigeration equipment.
Use Restrictions: The sealant should not be applied 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).
Classification of dangerous chemicals: Flammable liquids category 3.
Sign elements, including precautionary statements and precautionary pictograms:
Health hazards:
H303 May be harmful if swallowed.
H335 May cause respiratory irritation.
Physical Hazards:
None.
Signal word: ATTENTION.
Pictograms:

Hazard statements:
H303 May be harmful if swallowed.
H335 May cause respiratory irritation.
Precautionary statements:
P102 Keep out of reach of children.
P202 Do not handle until all safety precautions have been read and understood.
P270 Do not eat, drink or smoke while handling this product.
P271 Use only outdoors or in a well-ventilated place.
Other dangers: NA.

SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical identity of the substance: Silicone elastomer.

Mixtures	CAS No.	UN No.	%
Titanium dioxide	13463-67-7	ND	1 - 5
Aluminum	7429-90-5	ND	1 - 5
Rest of the formula considered secret.	ND	ND	80 - 90

SECTION IV. FIRST AID MEASURES.

First aid description:
Inhalation: If inhaled, remove to fresh air. Consult a doctor if you experience discomfort.
Ingestion: If swallowed, DO NOT induce vomiting. Consult a doctor if you experience discomfort. Rinse mouth completely with water.
Skin Contact: Wash with soap and water as a precaution. Consult a doctor if you experience discomfort.
Eye contact: Flush eyes with plenty of water as a precaution.
Consult a doctor if irritation appears and persists.
Antidote (if available) or information for the emergency physician: Treat symptoms and provide support.
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: Use self-contained breathing apparatus and protective suit.

Procedure and special precautions during firefighting: Direct the extinguishing agent at the base of the fire at an initial distance of 3 meters, following internal procedures or those indicated on the extinguisher label.

Combustion products that are harmful to health: Carbon oxides, silica, formaldehyde and metal oxides.

Conditions leading to another special hazard: None.

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: This product does not have a risk of leak or spill. If the material spills, there is a danger of slipping. Do not pass through spilled material. In the event of a small spill, clean up immediately with mechanical equipment before the material cures. It will be made available to Federal, State and Local regulations and/or laws.

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: To prevent sticking, sprinkle the surface with sand or podzol and remove the material mechanically. Collect or scrape up the spilled material and place it in a special container for chemical waste. Remove any residual sediment that may be released with a cleaning/soap product or other biodegradable cleaning product. To improve workability, add sand or other inert and granular material.

SECTION VII. HANDLING AND STORAGE.

Precautions to be taken for safe handling: Use only with good ventilation. Handle in accordance with good industrial safety and hygiene practices, based on the results of the workplace exposure assessment. Avoid spillage, waste and minimize release to the environment.

Conditions for safe storage, including any incompatibility: Keep away from strong oxidizing agents.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT.

Control parameters:

Name of agent.	CAS No.	Identifier	Qty	Measure	Source
Dioxide titanium	13463-67-7	ND	10	mg/ m^3	NOM-010-STPS
Aluminum	7429-90-5	ND	1	mg/ m3	NOM-010-STPS

Appropriate technical controls: None.

Personal protective equipment: Suggested.

SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

Physical state: Soft Paste.
Color: Various.
Odor: Acetic.
Boiling temperature: ND.
Melting temperature: ND.
Ignition temperature: >100 °C.
Autoignition temperature: NA.

Density: 1.007 g/cm^3
Molecular weight: ND.
pH: NA.
Evaporation rate: ND.
Solubility in water: Insoluble.
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: May present a slight reaction with water and oxidants.
Spontaneous polymerization: Can not happen.
Conditions to Avoid: Avoid humid places and strong oxidizing agents.
Hazardous Decomposition Products: Acetic acid is formed in contact with water or humid air. When heated to temperatures above 150°C in the presence of air, small amounts of formaldehyde may be released.

SECTION XI. TOXICOLOGICAL INFORMATION.

Information on probable routes of entry: Ingestion, ocular and skin.
Symptoms related to physical, chemical and toxicological characteristics: Irritation.
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: Evaluation according to the physicochemical properties of the product. No harmful effects on aqueous organisms are to be expected. According to the experience to date, no negative effects are to be expected for the treatment plants.

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

Bioaccumulative potential: Bioaccumulation unlikely.

Mobility on soil: ND.

Other side effects: Polymer component: Insoluble in water.

SECTION XIII. INFORMATION ON THE DISPOSAL OF THE PRODUCTS.

Product disposal:

Recommendation; Correct disposal by incineration.

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.

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.