

Name of the hazardous chemical or mixture: Duretán FC

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

Name of the hazardous chemical or mixture: Duretán FC.

Other means of identification: Adhesives, sealants.

Recommended Use of the product: This product is used to make interior and exterior seals (see technical sheet).

Restrictions on use: It 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:

Sensitizing to health. category 1.

Eye irritation. Category 2A.

Skin Sensitivity Category 1.

Acute Toxicity. Category 5.

Respiratory sensitivity Category 1.

Skin corrosion/irritation Category 3.

Elements of signage, including precautionary statements and caution pictograms.

Physical hazards:

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H333 May be harmful if inhaled.

H334 If inhaled may cause allergy or asthma symptoms.

Signal word: DANGER.

Pictograms:





Material safety data sheet (MSDS)

Rev. 6
Fecha: MAYO 2023

Name of the hazardous chemical or mixture: Duretán FC

Precautionary statements:

P102 Keep out of the reach of children.
P261 Avoid breathing dusts/fumes/gases/mists/vapours/aerosols.
P284 In case of inadequate ventilation, use respiratory protection.
P302+P352 In case of contact with skin, wash with plenty of water.
P304+P312 If inhaled Call a POISON CENTER/doctor/product safety department if person feels unwell.
P305+P351+P338 In case of contact with eyes, rinse with water carefully for several minutes. Remove contact lenses when present and can be done easily. Continue with washing.

Danger indications:

H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H333 May be harmful if inhaled.
H334 If inhaled may cause allergy or asthma symptoms.

Other hazards: NA.

SECTION III. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical identity of the substance: NA.

Component	CAS No.	UN No.	%
Xylene.	1330-20-7	ND.	1-10
Polyvinylchloride.	9002-86-2	ND.	20-50
Etilbenceno.	100-41-4	ND.	2
Rest of the formula considered confidential.	ND	ND.	20-50

SECTION IV. FIRST AID MEASURES.

First aid descriptions:

Inhalation: Supply fresh air; eventually do artificial respiration, heat. If the disorders persist, consult a doctor. Fainted people should be laid down and carried on their side for stability.

Skin contact: Remove contaminated clothing, wash affected area immediately with soap and water. If signs or symptoms appear, get medical attention.

Ingestion: Rinse with plenty of water and get immediate attention.

Eye Contact: Rinse open eyes for several minutes with running water and consult a doctor.



Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Duretán FC

Rev. 6
Fecha: MAYO 2023

Antidote (if available) or information for the emergency doctor: There is no further relevant information available.

Other existing health risks: Main symptoms and effects, acute and delayed: Nausea, Anesthetic effect, Headache, Dizziness.

SECTION V. FIRE-FIGHTING MEASURES.

Suitable extinguishing media: Foam, carbon dioxide (CO₂), ABC dry powder.

Personal protective equipment for firefighting: Mask with filter against organic vapors, gloves, glasses, protective clothing. For fire fighting personnel: Wear self-contained breathing apparatus.

Procedure and special precautions during firefighting: Downwind, directing the extinguishing agent at the base of the fire and following internal fire brigade procedures.

Products of combustion that are harmful to health: Isocyanate, Carbon monoxide, Nitrogen oxides, Hydrocyanic acid (HCN).

Conditions leading to other special hazard: ND.

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: Ensure sufficient ventilation. Keep away from ignition sources.

Environmental precautions: Do not allow it to enter the sewers or contaminate waters.

Mitigation methods to control the substance: Collect mechanically. Pour into appropriate recovery or disposable containers. Do not close (reacts with water forming carbon dioxide).

SECTION VII. HANDLING AND STORAGE.

Precautions to be taken for safe handling: Ensure sufficient ventilation/suction at the workplace. Keep away from ignition sources. No Smoking.

Conditions for safe storage, including any incompatibility: Provide ventilation of containers. Store in a cool, dry place. Protect from humidity and water. Keep the recipient hermetically sealed.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT.

Control parameters: Occupational exposure limits.

Appropriate engineering controls: Wash hands before breaks and at the end of work. Avoid prolonged and intensive contact with the skin. Do not eat, drink, smoke.

Material safety data sheet (MSDS)

Name of the hazardous chemical or mixture: Duretán FC

Rev. 6

Fecha: MAYO 2023

Personal protective equipment: Suggested.



SECTION IX. PHYSICO-CHEMICAL PROPERTIES.

Physical state: Paste.

Color: Various.

Odor: Light.

Boiling temperature: 173°C.

Melting temperature: Undetermined.

Flash temperature: 40° C.

Autoignition temperature: 200°c.

Density: 1.16 g/cm³.

Molecular weight: ND.

pH: ND.

Evaporation rate: ND.

Solubility in water: Insoluble.

Vapor pressure: ND.

% Volatility: ND.

Flammable limits:

Sup. <1

Inf. 7%

VOC (g/L): >9 %

SECTION X. STABILITY AND REACTIVITY DATA.

The product is considered: Stable.

Incompatible materials: Reacts with alcohols, amines, aqueous acids and alkalis.

Spontaneous polymerization: Can not happen.

Conditions to Avoid: Reacts with water forming carbon dioxide.

Dangerous decomposition products: No decomposition products known.

SECTION XI. TOXICOLOGICAL INFORMATION.

Information on probable routes of entry: Inhalation, ocular, skin.



Material safety data sheet (MSDS)

Rev. 6
Fecha: MAYO 2023

Name of the hazardous chemical or mixture: Duretán FC

Symptoms related to physical, chemical and toxicological characteristics: Possible slight irritation to eyes or skin, Possible sensitization when inhaled.

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

Acute toxicity: None.

Interactive Effects: A single uncontrolled exposure can cause specific effects in organs, cross-reaction to isocyanates.

Other information: People with a history of asthma or respiratory diseases should not handle the mixture.

SECTION XII. ECOTOXICOLOGICAL INFORMATION.

Toxicity: No further relevant data available.

Persistence and degradability: No further relevant data available.

Bioaccumulation potential: No further relevant data available.

Mobility on soil: ND.

Other adverse effects: Dangerous to water. Do not allow it to infiltrate groundwater, surface water or sewers.

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 hazardous material.

Matters relating to transportation by general land communication routes and their related auxiliary services, in relation to the Regulations.

1. UN number:	ND.
2. 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:	No specific.

SECTION XV. REGULATORY INFORMATION.

IMGD maritime transport: None assigned.

IATA Air Transport: None assigned.



Material safety data sheet (MSDS)

Rev. 6
Fecha: MAYO 2023

Name of the hazardous chemical or mixture: Duretán FC

Land Transportation: None assigned.

For more information, consult national and international regulations. You are responsible for complying with the regulations for appropriate classification. If you ship by air or sea, you are advised to review and comply with the stipulations.

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 specific. The user must consider these recommendations in the specific context of the use they wish to give to the product.