



C/ SICILIA 143, TIENDA  
08013 BARCELONA (SPAIN)  
TEL.:+ 34-93-2314812 / FAX.:+ 34-93-2652863  
E-MAIL: [info@fresco.es](mailto:info@fresco.es)  
[www.fresco.es](http://www.fresco.es)

## TECHNICAL FILE POLYMER OF SILICONE

### 1- Product Identification

Commercial Name : Polymer of Silicone  
Reference : F-01906

#### Manufacturer:

Fresco International 2005 S.A.  
Sicilia 143, Barcelona (ESPAÑA)  
Telephone: +34 93 2314812

#### Product example:



#### Description:

Liquid silicone semi-rigid with medium elasticity. A Bi-compound elastomer that vulcanises with any of the Fresco catalysts. Can be used to repair silicone orthotics, or as a joining material with other silicones. Designed to cover tubiton, gauze and latex foam rubber. Of liquid form and a transparent colour of low viscosity. Once vulcanised it becomes a rigid and semi-transparent silicone.

### 2- Components Information

Color : Grayish  
Aspect : Liquid / Creamy  
Solubility : Practically insoluble

### 3- Chemical Composition

The FRESCO Liquid Silicones are composed of:

- Base: Mixed of Polydimethylsiloxane and Silica. Elements composed basically by Silicone Elastomers, Medicinal White Oils, Silicone Oils and Silicone Pigment Paste.

Density	: 1.00 gr. / cm <sup>3</sup> at 20°C
Viscosity	: 20.000 CsT at 20°C
Traction Resistance	: 11 Kg. / cm <sup>2</sup>
Stretching	: 250%
Split Resistance	: 4 Kg. / cm <sup>2</sup>
Solubility in Water	: Practically insoluble
Hardness A	: 20

### 4- Hazard Identification

The product is not hazardous to health in normal handling. Keep out of reach of children. Do not use on open wounds. Should any irritation occur, seek to a medical specialist.

The product has been used for many years in several countries around the world, and until the date has found no cases of irritation or other skin problems.

#### 4.1 - Norms

Marked (UE)

Phrases of Risk:

-----

Phrases of Security:

-----

#### 4.2 - Additional norms:

-----

### 5 - Expiration Date and Lot Number

5.1 Date of Expiration: If the product is used and stored under appropriate conditions as specified in point No. 9, the life of the product may be more than 5 years. Sun exposure can vary its original color. When the jar has been left stored for more than a year without using it, the oil in the silicone might come to the top of the jar and have a strong oily smell. When this happens, the product has not gone bad, simply, to make the smell disappear and its appearance as new, take all the silicone out, blend all the mass firmly until an even mass is achieved, and place it again in the jar.

5.2 Number of Batch: Each production batch is identified with Batch Number, which allows to recall the product from the market immediately in case of any possible problem. The Lot Number are provided on all invoices separately for each product line. The lot number is also added to each package of product, with a Tag.

#### 5.2.1 Production Flow Chart for Lot Number:

**1 - Subject:**

Preparation of documentation in each production batch

**2 - Scope of Application:**

The procedure described is applied to all the products manufactured by Fresco International 2005, S.A. at their installations at Parets del Vallès (Barcelona).

**3 - Procedure:**

The preparation of documents is done by computer. Each time the worker begins to manufacture a batch of products, opening a production order, which has the following details:

- Batch / Lot Number
- Manufacturing Start Date
- Worker Name
- Materials to Use
- Amount to Craft

Once the batch has been completed, the worker closes the Order Manufacturing, adding:

- Amount Made
- Completion Date of Manufacture
- Storage placement

Then, label is printed for each carton with the following information:

- Lot Number
- Quantity per carton
- Date of Manufacture

The lot number is stored in the computer files of the company, and appears on the customer invoice for future control, if needed.

**6 - Emergency and First Aid Procedures**

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

- Inhalation: Take the victim into open air, keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.
- Skin Contact: Product is used in direct contact with skin. We recommend not using the product more than 14 to 16 hours a day, to allow perspiration from the skin.
- Eye Contact: Wash with fresh water. If irritation persists, seek medical specialist.
- Ingestion: If accidentally ingested, seek immediate medical attention.
- Health Additional Information: Not identified so far.

**7 - Measures Anti-Flammable**

- Provide adequate and regular fire extinguishers, fire can be controlled with sand, foam, carbon dioxide.
- Specific hazards may occur because of mixing and combustion of chemicals or gases.

- Use Special Protective Equipment for Fire Fighting

## 8 - Measures to Be Taken in Case of Accident Rand

Preventive Measures for Persons:

Eliminate possible ignition points and ventilate the area.

Measures for Environmental Protection:

Observe the local standard.

Methods for collection / cleaning:

Collect with any mechanical method, and remove with appropriate methods. Pick up the spill with non-combustible absorbent materials (soil, sand, diatomite... etc). Keep remains in a closed container.

## 9 - Handling and Storage

- Care of Handling: The product under normal use, is in direct contact with the skin, which should not take any special care, it is not even necessary to use gloves for handling.
- When this substance is spilled, increase the danger of slipping.
- Keep container closed
- When handling chemicals substances, must comply with general hygiene measures:
  - Respiratory Protection: Not required
  - Hand Protection: Not required
  - Eye Protection: Not required
- Storage Temperature: Room Temperature. Store the containers between 5°C and 35°C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidizing agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of nonauthorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.
- Transport Temperature: Room Temperature. It should not be transported at higher temperatures of 60°C.
- Viscosity: Semi-Rigid
- Transport pressure: Atmospheric pressure.
- Electrostatic Accumulation Hazard: The preparation can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.
- Transport Containers: Plastic Bottles
- Adequate Cover: Plastic.
- Storage: Store in a dry place, Cool and aired place, and avoid contact with sunlight.
- Care after handling: No need to take any special care, after handling the product.
- Other Requirements: Not Applicable.

### Notes:

Hypothetical fumes would be heavier than air and could spread across the ground. They could form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The preparation must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

Prevent the preparation from contacting the skin or eyes. Avoid the inhalation of fumes and mists that form when spraying.

For personal protection, see section 11. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

#### 10- Transport:

- Air Transport: Not classified as Dangerous Goods.  
Applicable Standard: ICAO-TI / IATA-DGR
- Fluvial Transport: Not classified as Dangerous Goods.  
Applicable Standard: GGVBinsch / ADNR
- Maritime Transport: Not classified as Dangerous Goods.  
Applicable Standard: GGVSea / IMDG-Code
- Land Transport: Not classified as Dangerous Goods.  
Applicable Standard: GGVS / ADR y GGVE / RID
  - Road GGVS / ADR
  - Railroad GGVE / RID

#### 11- Individual Protection Control

No specific care is needed under normal use.

#### 12- Physical and Chemical Characteristics

State at 20°C	: Liquid / Creamy
Color	: Grayish
Odor	: Slightly Oily
Density	: 1.00 gr. / cm <sup>3</sup> at 20°C
Hardness (Shore A)	: 20

#### 13 - Toxicological Information:

Effects after Prolonged Exposure: Not found.

##### **Carcinogenic effects:**

No effect reported by governmental authorities and agencies.

##### **Reproductive toxicity:**

No effect reported by governmental authorities and agencies.

#### 14 - Ecological Information:

- No Pollutant Production.
- Product Non-Biodegradable
- Bioaccumulation Improbable

A proper disposal, through incineration, using a hazardous waste incinerator. Smaller quantities can be incinerated in an incinerator for household waste, in compliance with local codes. Household garbage can be deposited along with it, in compliance with local rules, after possibly having been compacted.

To empty the containers completely use a spatula. If packaging is reused, it is done at the users own risk and should observe local regulations.

**15 - Packing Information:**

Packaged in Plastic jars, in quantities of 250 gr. Containers placed in larger cardboard boxes for safe handling and transport.

**16 - Regulatory Information:**

The product is a Medical Article Class I, in accordance with Annex VII of the Directive EC 93/42/EC.

**17 - Other Data:**

The information provided should be regarded as a description of the relevant requirements of the safety of our product, not a legal warranty and does not replace the work of a professional healthcare practitioner, place a query to Fresco International 2005 S.A. in case of doubts.

Fresco International 2005 S.A., does not accept responsibility for misuse of the manufactured products, or if used for a different activity, the conditions of its use are not under our control.

FRESCO INTERNATIONAL 2005, S.A.  
N.I.F. A-63702633  
c/ Sicilia, 143, Bjs. - 08013 BARCELONA  
Tel. 93 231 47 00 / Fax 93 265 28 63



Updated 01/04/2020  
Mr. Aitor Fresco  
General Manager