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TECHNICAL FILE SILICONE DUO 30

1- Product Identification

Name of the Brand : FRESCO
Commercial Name : Silicone DUO 10 / DUO 10 Starting kit
Product Description : Silicone (A+B) for Orthotics, Silicone for Moulding.
Professional use only.
Reference : F-01924-00, F-01924-02, F-01924-04
Packaging : 2 Jars (A+B) of 250 gr. (Silicone Duo 10 - F-01924-00/04)
: 2 Jars (A+B) of 100 gr. (Duo 10 Starting Kit F-01924-02)

Manufacturer:

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

2- Description

Duo is a bi-compound 1+1 mixable soft silicone. Specially designed for the making of simple palliative or corrective orthosis. Very easy to use: to make an orthosis just mix the same quantity of both components (A+B) until reaching an even colour. Then mould onto the foot (for more info please go to page 34). The result is a soft and comfortable orthosis. The finished orthosis is both washable and reusable.

3- How to use

To make the orthosis it is only necessary to mix well the same quantity of both components (A and B). Mix for 30-60 seconds until you achieve a constant and regular colour in the mix. The mix needs approximately 5 minutes to become solid. Hardness Shore A 10 is achieved 24 hours after the orthosis is done. The silicone is washable and reusable.

4- Components Information

Color : Duo 10 A = White / Duo 10 B: Red
Aspect : Semi-Rigid Paste
Solubility : Insoluble in water, easily separable by filtration.

3- Chemical Composition

The FRESCO Silicones are composed of:

- Base: Polydimethylsiloxane with functional groups and auxiliary agents for cross linking by addition. A+B Polyaddition Silicone, that vulcanize at room temperature.

Boiling Point	-
Flash Point	> 200°C
Ignition Temperature	> 450°C
Density	1.25 gr. / cm ³ a 20°C
Tensile strength	2.4
Solubility in Water	Practically insoluble
Index Ph	-
Hardness A	10 - 12
Stretching	550%
Split resistance	5

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.

5.2 Number of Batch: Each production batch is identified with Batch Number, which allows removing the product from the market immediately, in case of any possible problem. The Lot Number,

provided on all invoices, separately for each product line. The lot number is also added to each package of product, by 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 will begin 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 place in the warehouse.

Then, print a label 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

- Inhalation: No special requirements
- 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: Keep away from children as there is choking hazard. Medical oils in the silicone and the silicone itself are not toxic, but if swallowed and discomfort is reported, seek medical advice.
- Health Additional Information: Not identified so far.

7 - Anti-Flammable Measures

- 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 and

Preventive Measures for Persons:

Special measures are not necessary.

Measures for Environmental Protection:

Observe the local standard.

Methods for collection / cleaning:

Collect with any mechanical method, and remove with appropriate methods.

9 - Handling and Storage

- Care of Handling: The product under normal use, are 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. Do not store at temperatures higher than 60 ° C, in finished (vulcanized) pieces its shape may vary.
- Transport Temperature: Room Temperature. It should not be transported at higher temperatures of 60 ° C, in finished pieces its shape may vary.
- Viscosity: Semi-Rigid
- Transport pressure: Atmospheric pressure.
- Electrostatic Accumulation Hazard: Not applicable
- Transport Containers: Plastic Bottles
- Adequate Cover: Plastic.
- Storage: Store in a dry place, Cool Air, and avoid contact with sunlight.
- Care after handling: No need to take any special care, after handling the product.
- Other Requirements: Not Applicable.

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 : Semi-Rigid
Color : Duo 10 A: white / Duo 30 B: red
Odor : Slightly Oily
Density : 1.25 gr. / cm³ at 20°C
Hardness (Shore A) : 10-12

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, of quantities of 250 gr. for each component. 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, it is not a legal warranty and does not replace the work of 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.

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