




SOFTISAN® 378

INCI: Caprylic/Capric/Myristic/Stearic Triglyceride

-  Purely vegetable origin
-  Resorption enhancing emollient
-  Provides “non-fatty” film to the skin

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1. Description:

SOFTISAN® 378 is a specialty blend of triglycerides based on saturated even-numbered, unbranched natural fatty acids of vegetable origin with a chain length of C₈ - C₁₈. It is free from antioxidants and other stabilizing additives. It is similar to lard in consistency, but has a superior oxidation stability and product uniformity. SOFTISAN® 378 meets the requirements of recent Ph.Eur. „Hard Fat” and USP/NF „Hard Fat”. SOFTISAN® 378 is a white to ivory-colored, semi-solid mass with a neutral fatty odor. Owing to its purely vegetable origin and its mode of production, SOFTISAN® 378 is free of any skin-irritating substances such as toxic heavy metals, catalysts, solvents, antioxidants and other stabilizers.

2. Chemical and Physical Properties:

Tests	Value	Unit
Drop point #	39 - 42	°C
Acid value	max. 0,5	mg KOH/g
Saponification value	245 – 260	mg KOH/g
Hydroxyl value	7 – 17	mg KOH/g
Peroxide value	max. 1	mequi O/kg
Iodine value	max. 3	mg I/100 mg
Alkaline impurities	max. 0,15	ml HCl/ 2 g
Heavy metals	max. 10	ppm
Ash	max. 0,05	%
Unsaponifiable matter	max. 0,3	%

= Ascending melting point determination is difficult to reproduce, because of its fatty acid distribution (due to adhesion to the glass capillary). The drop point method is more precise.

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3. Application:

SOFTISAN® 378 is readily soluble in diethyl ether, toluene and n-hexane; soluble in acetone and ethanol when heated; insoluble in water and miscible with fats and oils.

Because of its composition SOFTISAN® 378 exhibits a long shelf life without a risk of rancidity. The fatty acids used for the production of SOFTISAN® 378 comply with CFR * 21, § 172.860.

SOFTISAN® 378 can be easily incorporated, either in molten or cold state, in creams, lotions and pastes.

** CFR = Code of Federal Regulations; * DMF = Drug Master File*

Cosmetic Functions:

It has excellent skin compatibility.

SOFTISAN® 378 spreads well on the skin and penetrates easily. It does not inhibit natural skin respiration and has an absorption-promoting effect.

SOFTISAN® 378 is used as a non-oxidizing fat base in the cosmetic industry. It is particularly suitable for processing in high-quality dermal preparations because the skin is provided with a similar triglyceride mixture that is not tacky and, unlike paraffins, does not leave a greasy shine.

It can also be used in decorative cosmetics, such as eye shadows and sticks.

SOFTISAN® 378 allows for rapid melting of the product on the skin, and therefore active ingredients are quickly released. The molten product spreads well on the skin and leaves a non-greasy film.

Thus SOFTISAN® 378 use is suggested for:

-  Color cosmetics
-  Skin Care
-  Sun Care
-  Facial crèmes
-  Bodylotion

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4. Formulation Guide



Waterless Balm		541
Phase A		
MIGLYOL® 812 N¹	Caprylic/Capric Triglyceride	18,00
SOFTISAN® 378¹	Caprylic/Capric/Myristic/Stearic Triglyceride	30,00
SOFTISAN® 649¹	Bis-Diglyceryl Polyacyladipate-2	10,00
CremerVERO Shea Butter¹	Butyrospermum Parkii Butter	30,00
Castor Oil	Ricinus Communis (Castor) Seed Oil	10,00
Bees Wax	Cera Alba	2,00




Procedure:

1. Mix all ingredients and heat up to approx. 70°C.
2. Stir for 10 min. at 70°C.
3. Cool with stirring to 35-38°C (Cooling rate not more than 1°C/min).
4. From 35-38°C cool to 25°C with moderate stirring (Cooling rate not more than 0,2°C/min).

Supplier References:

¹Cremer Care

 hobbock with 25 kg  drum with 180 kg
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 Store below 25° C  Protect from light and moisture  Shelf life 3 years
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If only parts of the product are to be used, melting of the complete material in the container and stirring for homogeneity prior to removal is highly recommended.

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