

SOFTISAN[®] 378

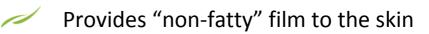
INCI: Caprylic/Capric/Myristic/Stearic Triglyceride



Purely vegetable origin



Resorption enhancing emollient



INCI: Caprylic/Capric/Myristic/Stearic Triglyceride

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 $C_8 - C_{18}$. 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.

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
lodine 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	%

2. Chemical and Physical Properties:

[#] = 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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Page 3 of 4



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4. Formulation Guide

Waterless Balm		541
Phase A		
MIGLYOL [®] 812 N ¹	Caprylic/Capric Triglyceride	18,00
SOFTISAN [®] 378 ¹	Caprylic/Capric/Myristic/Stearic Triglyceride	30,00
SOFTISAN [®] 649 ¹	Bis-Diglyceryl Polyacyladipate-2	10,00
CremerVERO Shea Butter ¹	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

Store below 25° C
Protect from light and moisture
Shelf life 3 years

If only parts of the product are to be used, <u>melting of the complete material</u> in the container and stirring for homogeneity prior to removal is highly recommended.

March 2013

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Page 4 of 4



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