



IOI OLEOCHEMICAL

PERSONAL CARE

TECHNICAL DATA SHEET

SOFTISAN[®] MagicPOWDER S

INCI: Tricaprylin (and) Acacia Senegal Gum



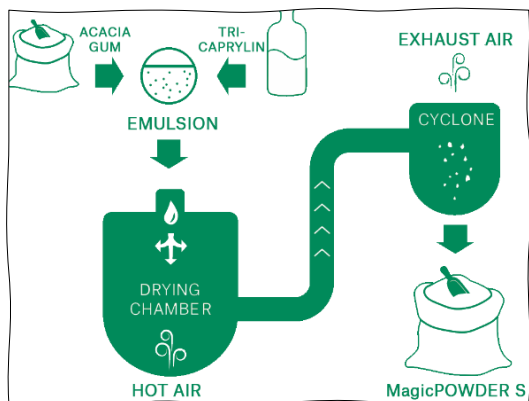
BE THE CREATOR: TRANSFORM WATER INTO CREAM

Cold-processable transforming ingredient allowing simple powder-to-emulsion on-the-go formulas with soft after-feel



DESCRIPTION

SOFTISAN® MagicPOWDER S unleashes possibilities with powder-to-emulsion breakthrough technology. The cold-processable ingredients allows all kind of transforming concepts – in the lab, at home or on-the-go.



It is a synergistic system based on triester of glycerol, caprylic acid and natural acacia senegal gum. SOFTISAN® MagicPOWDER S is an ivory powder with a typical, characteristic odor.

The ingredient is based on **100% natural, vegan, and renewable sources** and is produced exclusively in Germany.

APPLICATION

SOFTISAN® MagicPOWDER S provides instant emulsifying (O/W) properties when mixed with water. It produces a soft lotion with the simple addition of water, without the use of specific equipment – ideal for minimalistic, anhydrous or DIY concepts. It releases lipophilic ingredient (Tricaprylin) in rinse-off powder formulas. The easy handling enables easy & sustainable single-use formats.

Due to the broad compatibility (oils, starches, gelling agents, surfactants, electrolytes, preservative systems and more) formulators can create customized concepts with a broad range of sensorialities and viscosities. The ingredient brings emollient and skin softening effect to all kinds of formulations.

The sensorial properties of SOFTISAN® MagicPOWDER S mixed with water can be described as

- High gliding
- Medium penetration
- Medium film-forming
- Low oiliness (like glycerin skin feel)
- Low stickiness after application

However, when applying the formed emulsion without any additives, a transitory phase of stickiness can be perceived. Use starches, emollients, or other additives to adapt the final formula sensory. We recommended to use small quantities of the final formula on skin to achieve best sensorial experience.

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| <input checked="" type="checkbox"/> Skin Care | <input checked="" type="checkbox"/> Body Care | <input checked="" type="checkbox"/> Sun Care | <input checked="" type="checkbox"/> Color Cosmetics |
| <input checked="" type="checkbox"/> Baby Care | <input type="checkbox"/> Hair Care | <input checked="" type="checkbox"/> Bath Care | <input type="checkbox"/> Wet Wipes |
| <input type="checkbox"/> Self-Tanning | <input type="checkbox"/> Beard Care | <input type="checkbox"/> Deodorants | <input type="checkbox"/> Intimate Hygiene |



FORMULATION HINTS

- Recommended concentration of **SOFTISAN® MagicPOWDER S**: 20 – 50% in transforming powder-to-emulsion formulations
 - To increase the viscosity
 - Increase the concentration of SOFTISAN® MagicPOWDER S
 - Work with gelling agents (e.g., xanthan gum or cellulose types)
 - To decrease the stickiness
 - 5 – 15% MIGLYOL® 829 ECO or other lipophilic ingredient
 - Starches (e.g., distarch phosphate, zea mays starch)
 - To increase the stability (for multiple use concepts)
 - Use 40 – 50% SOFTISAN® MagicPOWDER S
 - Add xanthan gum
 - Add IMWITOR 372 P (Glyceryl Stearate Citrate) by using a hot process
- Add SOFTISAN® MagicPOWDER S to the water phase (water soluble)
 - Hot and cold process possible (SOFTISAN® MagicPOWDER S does not melt)
 - No special equipment needed – mix by shaking, stirring or homogenizing
- Recommended pH level: pH 4.0 – 8.0

FORMULATION GUIDE

MAGIC SHAKE-TO-LOTION #871

Experience how easy & magic it can be to create an emulsion, when working with SOFTISAN® MagicPOWDER S. Simply add water to the mixed powder phase A and shake well. The multifunctional ingredient emulsifies instantly and leads to a soft skin feel.

100% NOC, 100% Vegan, 100% Adaptable, 100% FUN

	Trade Name	INCI	%
PHASE A	SOFTISAN® MagicPOWDER S	Tricaprylin (and) Acacia Senegal Gum	90.00
	Maisita 9040	Zea Mays Starch	7.48
	Cosphaderm® Sodium LAAS	Sodium Levulinate (and) Sodium Anisate	2.50
	Citric Acid	Citric Acid	0.02

PREPARATION:

Cold process formula

1. Mix phase A, and fill the powder mixture into a container with lid
2. Add water into the container
3. Shake well

SUPPLIERS:

IOI Oleo GmbH: MIGLYOL®, SOFTISAN®

Agrana: Maisita
Cosphatec: Cosphaderm®



MAGIC POWDER-TO-CLEANSER NO #872

The Magic Powder-to-Cleanser transforms from powder into a bubbly and mild cleanser when combined with water. SOFTISAN® MagicPOWDER S as base ingredient works well with all kind of powders and leads to the creamy white emulsion/surfactant hybrid solution.

>90% Natural, 100% Vegan, 100% Adaptable, 100% FUN

	Trade Name	INCI	%
PHASE A	SOFTISAN® MagicPOWDER S	Tricaprylin (and) Acacia Senegal Gum	40.0
	SCI Powder	Sodium Cocoyl Isethionate	20.0
	Keltrol® CG-SFT	Xanthan Gum	1.0
	Maisita 9040	Zea Mays Starch	19.0
	Sodium Bicarbonate	Sodium Bicarbonate	15.0
	Citric Acid	Citric Acid	5.0

PREPARATION:

Cold process formula

1. Mix phase A
2. Activate the formula with water during application

SUPPLIERS:

IOI Oleo: SOFTISAN®

- CP Kelco: Keltrol®
Agrana: Maisita

HANDLING AND SHELF LIFE

The shelf life for SOFTISAN® MagicPOWDER S is at least twenty-four months if the product is stored below 25°C in a dry place in original, tightly closed containers, protected from light and moisture.

PACKAGING UNITS

15 kg carton with inlay, 450 kg on CP2 pallet

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