



Technical Data Sheet

IMWITOR® 960 K

INCI: Glyceryl Stearate SE

- ❖ **PARTLY ANIONIC EMULSIFIER**
- ❖ **100% NATURAL**



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Personal Care



1. DESCRIPTION

IMWITOR® 960 K is a partly anionic classic self-emulsifying emulsifier for O/W emulsions with an estimated HLB of 9 – 12. It is 100% natural, vegan, available in RSPO MB certified quality and produced exclusively in Germany.

IMWITOR® 960 K is a white to light yellowish solid, waxy mass (flakes) with a mild, faint odour. The product has a high storage stability as it has no unsaturated components.

Test	Value	Unit
Ascending melting point	56 – 61	°C
1-Monoglyceride	min. 30	%
Soap	4.0 – 6.0	%

2. APPLICATION

IMWITOR® 960 K is a classic emulsifier for rich creams and butters. Thanks to the very good skin compatibility (Classified as GRAS (21 CFR § 184.1324 and 172.863) by the FDA), there are no limits to its use:

- | | | | |
|---|---|-------------------------------------|--|
| <input checked="" type="checkbox"/> Skin Care | <input checked="" type="checkbox"/> Body Care | <input type="checkbox"/> Sun Care | <input checked="" type="checkbox"/> Colour Cosmetics |
| <input type="checkbox"/> Baby Care | <input checked="" type="checkbox"/> Hair Care | <input 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 |

IMWITOR® 960 K is soluble in oils during heating and insoluble in water.

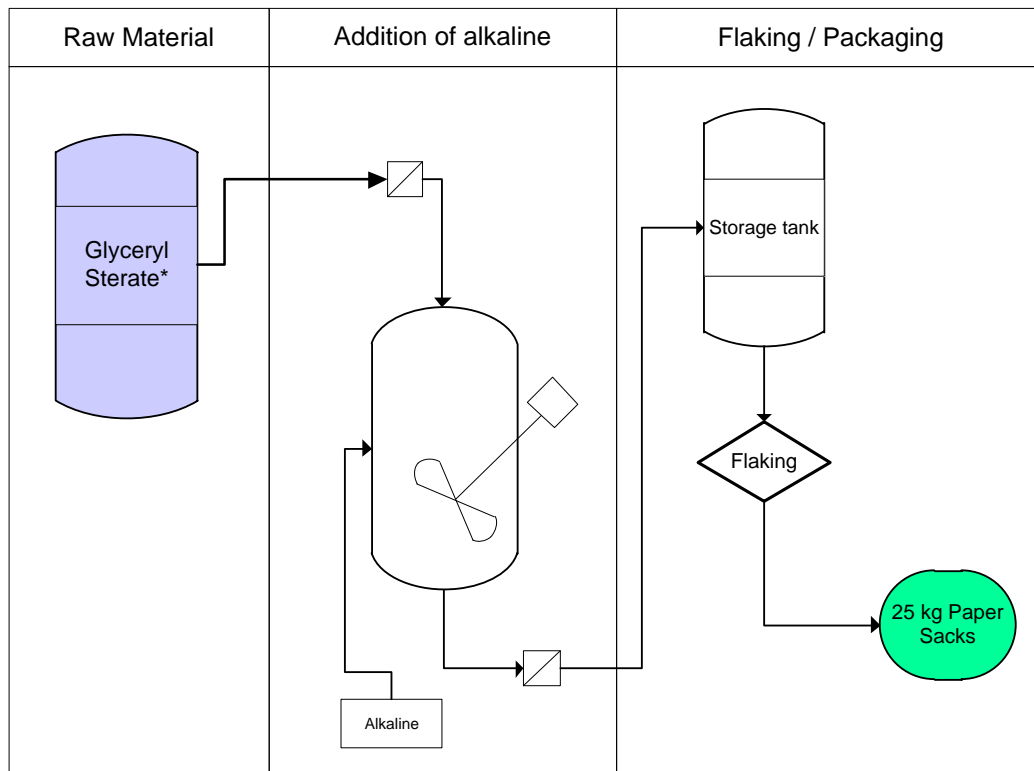
FORMULATION HINTS

- Melting point: approx. 56 – 61°C
- Recommended concentration of IMWITOR® 960 K for rich creams and butters: 2 – 7 %
- Applicable for hot/hot processes
- The self-emulsifying properties of IMWITOR® 960 K minimise the need for other emulsifiers in formulations. The addition of 2-3% stearic acid as a second emulsifier and
- Recommended pH value: pH 6.8 – 8.5





3. FLOW CHART



*obtained by esterification of vegetable C16/C18 fatty acid and glycerol

4. HANDLING AND SHELF LIFE

Long-term storage: the shelf life for IMWITOR® 960 K is at least thirty-six months if the product is stored below 25°C in a dry place in original, tightly closed containers, protected from light and moisture.

5. PACKAGING UNITS

Paper bag with 25 kg; 450 kg on CP2 or DB pallet





6. REGULATORY STATEMENT

	IMWITOR® 960 K
HS Code	34049000
CAS No.	85251-77-0
EU EINECS EC No.	286-490-9
REACH Status	01-2119495562-30-0006
Country of Origin	Germany
USA	registered for import and use in cosmetics
USA-GHS Compliance	Yes
Australia AICS CAS No.	85251-77-0
Canada DSL DSL/NDL	DSL
Canada WHMIS 2015 Compliance	Yes
China IECIC Standard Chinese Name & Index	甘油硬脂酸酯 SE 02491
Japan Ingredient/ Labelling name	ステアリン酸グリセリル (SE)
Korean INCI name	글리세릴스테아레이트에스이
Halal	Yes
Kosher	Yes

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07.2019/V02



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