



IOI OLEOCHEMICAL

PERSONAL CARE

# TECHNICAL DATA SHEET

## IMWITOR® 960 K

INCI: Glyceryl Stearate SE



- **PARTLY ANIONIC EMULSIFIER**
- **100% NATURAL**
- **SELF-EMULSIFYING PROPERTIES**



## 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, halal, kosher, 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 odor. 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	%

## APPLICATION

**IMWITOR® 960 K** is a classic emulsifier for rich creams and butters. It has very good skin compatibility (classified as GRAS (21 CFR § 184.1324 and 172.863) by the FDA) and hence can be used in multiple applications like:

- |   |   |                                     |   |
|---|---|-------------------------------------|---|
| <input checked="" type="checkbox"/> Skin Care | <input checked="" type="checkbox"/> Body Care | <input type="checkbox"/> Sun Care   | <input checked="" type="checkbox"/> Color 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 when heated and insoluble in water.

## FORMULATION HINTS

- Recommended concentration of IMWITOR® 960 K: 2 – 7 %
- Melting point: approx. 56 – 61°C
- Applicable for hot processes
- The self-emulsifying properties of IMWITOR® 960 K minimize the need for other emulsifiers in formulations. 2 - 3% of stearic acid can be added as second emulsifier.
- Recommended pH value: pH 6.8 – 8.5



## HANDLING AND SHELF LIFE

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.

## PACKAGING UNITS

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

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Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard

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