

## TECHNICAL DATA SHEET

Effective date: 06.2023  
Rev.2

### Glyceryl caprylate

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	Glyceryl caprylate
Chemical formula	C <sub>11</sub> H <sub>22</sub> O <sub>4</sub>
Chemical name	octanoic acid, monoester with glycerol
Manufacturing process	Obtained by an esterification process of Glycerol and Caprylic acid. The origin is 100% vegetable
Description	Highly purified multifunctional ingredient with 88% minimum content of monocaprylate used for alternative preservation, refatting and wetting. It is 100% natural, vegan, free from palm and palm kernel oil.
Molecular weight	218.29
Raw material category	Antimicrobial, hydrating and refatting, stability enhancer
Antimicrobial performance	Gram+: very good Gram-: very good Yeast: very good Mold: moderate

#### TECHNICAL DATA

##### Physical and chemical parameters

Appearance	Pasty crystalline mass or clear liquid, depending on the storage conditions. In the range between 25°C and 30°C it can be any of both physical forms. Above 30°C it is a clear liquid. This variation in physical form at different temperature is normal and does not have any influence on the product quality or performance in formulations
Composition	Octanoic acid, monoester with glycerol, with 88% minimum content of monocaprylate
Color	White
Odor	Characteristic
Solubility	Soluble in all oils, fats, and mineral oil and dispersible in excess of water
Acid value	< 0.5 mg KOH/g
Saponification value	245 – 265 mg KOH/g
Monoglycerides	Min 88 %
Melting point	30°C
Heavy metal content as Pb	Max. 10 ppm

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Arsenic content as As <sub>2</sub> O <sub>3</sub>	Max. 2 ppm
Residue on Ignition	Max. 0,5 %

#### Biological parameters

Total Viable Count	max. 100 cfu/g
Pathogens*	Absent /g

\*Pathogens are: Enterobacteriaceae, Pseudomonas, Enterococci, Candida albicans, Staphylococci

#### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in a cool and dry place, protected from light in tightly closed original container at temperatures below 25°C
Shelf Life	36 months under good storage conditions

#### LEGISLATION

Certification	-
Vegan/vegetarian statement	Produced in the absence of any animal derived material of any type.
BSE/ TSE	Based on the information on the manufacturing process and production site no contamination with BSE/ TSE risk materials is to be expected.
GMO-Status	The item contains moieties from rape (including oils and other refined ingredients). During the production no GMOs and derivatives from GMOs are used. All reasonable measures have been taken to avoid cross-contamination with GMOs or derivatives from GMOs.
CMR Substances	This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008
Allergens	According to the Regulation (EC) No 1223/2009 the presence of substances, the mentioning of which is required under the column 'Other' in Annex III of Cosmetic Regulation 1223/2009, shall be indicated in the list of ingredients in addition to the terms "Perfume" or "Aroma". None of those substances have been intentionally added to this product.
Halal	Yes
Kosher	Yes
Nanomaterials	The product is not a nanomaterial according to the definition given by Cosmetics

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	Regulation (EC) No 1223/2009.
Animal testing	This product has not been tested on animals.
EINECS	247-668-1
CAS	26402-26-6
REACH Status	01-2120119773-55-0000

#### DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.