

TECHNICAL DATA SHEET

- COMPRITOL 888 CG ATO -

DEFINITION

Glyceryl dibehenate.

ORIGIN OF THE RAW MATERIALS

The product is manufactured from raw materials of strictly vegetable origin.

DESCRIPTION

- INCI (approved PCPC): Glyceryl Behenate
- CAS: 77538-19-3 (or 91052-55-0) (or 30233-64-8) (or 94201-62-4)
- EINECS: 278-717-5 (or 293-216-1) (or 250-097-0) (or 303-650-6)

REGULATORY INFORMATION

For information on the regulatory status of this product, please consult the regulatory data sheet (RDS).

NATURAL / ORGANIC LABEL

- This product has been validated by ECOCERT® GREENLIFE according to the ECOCERT Natural and Organic Cosmetics Standards. It can be used in cosmetic products, certified according to this standard. We would like to draw your attention to the fact that this product is not Organically certified.

For additional information, please consult the product regulatory data sheet (RDS).

FIELD OF USE

This product is a cosmetic ingredient. It is recommended for use in cosmetic formulations.

This ingredient must be used according to appropriate regulations. Gattefossé accepts no responsibility for the use of this product in applications other than those recommended.

USES

- Thickener of oil phases (use level: 1-5 %) for W/O or O/W emulsions (even 10 to 15 % for silicon gels)
- Compacting agent for pressed powder
- Improves heat stability of emulsions
- Allows the chemist to gelify all types of oils (5 to 15%)

STORAGE RECOMMENDATIONS

Store the product in its original packaging sealed tightly, protected from light and moisture.

Store at a temperature inferior or equal to 30 °C.

During storage at high temperature (> 35°C), there is a risk of powder caking.

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STORAGE RECOMMENDATIONS

Product should be re-analyzed after a 3-year storage period under recommended storage conditions.

HANDLING ADVICE

Presentation: powder.

For additional information, please consult the product handling sheet.

PACKAGING

Bag in cardboard box 25 kg (metal-coated polyester/polyethylene bag) (ACC).

Sample available upon request.

SAFETY OF USE

For information on the toxicology and safety of this product, please consult the product toxicological file and material safety data sheet (MSDS).

SOLUBILITIES AT 20°C(Eur. Ph.)

- Ethanol 96°: Insoluble
- Chloroform, Methylene chloride: Soluble under heating conditions
- n-Hexane: Insoluble
- Water: Insoluble
- Mineral oils: Insoluble

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Test	Specification
APPEARANCE	Fine powder
ODOUR	Faint
COLOUR (Gardner Scale)	<= 5.0
DROP POINT (METTLER)	69.0 to 74.0 °C
ACID VALUE	<= 4.00 mgKOH/g
SAPONIFICATION VALUE	145 to 165 mgKOH/g
IODINE VALUE	<= 3.0 gI ₂ /100g
PEROXIDE VALUE	<= 6.0 meqO ₂ /kg
TOTAL ASHES CONTENT	<= 0.10 %
WATER CONTENT	<= 1.0 %
HEAVY METALS CONTENT (Pb)	< 10 ppm
TLC (NF monograph)	Conforms to the reference substance
FREE GLYCEROL CONTENT	<= 1.0 %
TOTAL MONOGLYCERIDES CONTENT	15.0 to 23.0 %
TOTAL DIESTERS CONTENT	40.0 to 60.0 %
TOTAL TRIESTERS CONTENT	21.0 to 35.0 %
PALMITIC ACID (C16)	<= 3.0 %
STEARIC ACID (C18)	<= 5.0 %
ARACHIDIC ACID (C20)	<= 10.0 %
BEHENIC ACID (C22)	>= 83.0 %
ERUCIC ACID (C22:1)	<= 1.0 %
LIGNOCERIC ACID (C24:0)	<= 3.0 %
NICKEL CONTENT	< 1 ppm
RESIDUAL SOLVENTS (Eur. Pharm., USP/NF)	Meets the requirements (production without solvent)

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The information contained in this data sheet is based on our knowledge of the related product on the date indicated, but does not amount to a guarantee in respect of the product's properties and does not give rise to any contractual legal tie. This information is given in utmost good faith. It cannot substitute for indispensable preliminary tests that must be conducted to ensure product suitability for each intended use. Nothing herein shall be construed as a recommendation or license to use any information that conflicts with any patent or trademark of our company or others. We make no representations or warranties, express or implied that any use of this information will not infringe any such patent or trademark. The user's attention is also drawn to the possible risks incurred if a product is used for a purpose other than its designed purpose. This data sheet does not under any circumstance replace knowledge and application by the user of all laws and regulations relevant to his own operations. The user shall be solely liable for the precautions taken relevant to the use made of the products. This information does not exempt the user from ensuring that he may possibly come under other obligations pursuant to laws or regulations other than those indicated relating to the possession and manipulation of the product for which he shall be solely liable.