

Technical Data Sheet

SABOWAX PG4C MB

GENERAL INFO

Description	Emollient ester
Certification No.RSPO	BVC-RSPO-IT261885-2

COMPOSITION

CAS number	160391-93-5
Chemical name/description	Tetraglycerol Decanoate
INCI/ CTFA name	POLYGLYCERYL-4 CAPRATE

TECHNICAL PROPERTIES

Appearance	Clear to slightly turbid liquid @ 20°C
Color	<4°G
Acidity value (mgKOH/g)	<5.0
H ₂ O content (% , KF)	9-11
Saponification Value (mgKOH/g)	50-70

OTHER PROPERTIES

HLB	14.5
-----	------

STORAGE AND STABILIZATION

Packaging	1100 kg IBC or 180 kg HDPE drums (720 kg pallet)
Handling and storage	Please consult the Safety Data Sheet prior to handling or using this product. Store in a dry, cool and well-ventilated place. Do not store together or in the vicinity of incompatible materials. Keep the packaging dry and well closed, to avoid contamination and moisture absorption.
Shelf life	18 months

GUIDELINES FOR USE

During winter season it might jelly/crystallize if stocked at low temperature. This phenomenon is reversible, is not related to stability of the product and does not alter the performance of the product in the final formulation. It returns to the liquid state if left at room temperature for days. To accelerate the conditioning process, it can be left in hot chamber before being used for production. If a batch is not entirely used for production, homogenization is suggested before use.

FEATURES

Thanks to its high HLB it acts as powerful and natural surfactant.

APPLICATION

Versatile polyglycerol ester that can be used as 1) co-emulsifier, 2) solubilizer, 3) foam booster in toiletries 4) washing booster for rinse off formulations (e.g., face mask). It can be seen as the natural version of PEG-40 Hydrogenated Castor Oil in many applications.

The information and data contained in this document have been set up to Sabo's best knowledge. Data and results are based on controlled or lab work and must be confirmed by the customer by testing for its intended conditions of use. Nothing herein shall be construed as a representation or warranty, express or implied, in particular not as to the merchantability, fitness for a particular purpose or any other matter with respect to the Sabo products. The Sabo products are manufactured for sale to customers for use in a wide range of applications. The customer remains responsible for determining whether or not the Sabo products purchased by the customer are suitable to the applications intended by the customer. Any advice or recommendation of use or application of any of the Sabo products shall be considered as non-binding and voluntary advice. Unless explicitly agreed otherwise between Sabo and the customer, Sabo shall not, under any circumstances, be liable for any incidental, indirect, special, consequential, exemplary or punitive damages as well as for damages based on loss of use, lost production, cost of capital, loss of goodwill, loss of contract, lost revenues, loss of profit or loss of business incurred, suffered or paid by the customer and all other persons.