

TENSIODAC[®] HDL-50

Technical Data Sheet No. 4030 – November 2013

Product Description

TENSIODAC[®] HDL-50 is a surfactant blend for detergency with 50% active matter. It is a blend in water of anionic and non-ionic surfactants, the components are: sodium salt of linear alkyl benzene sulphonic acid, potassium salt of coco fatty acid and C12-13 fatty alcohol polyethyleneglycol ether (7 moles).

TENSIODAC[®] HDL-50 is manufactured in Terranova dei Passerini (Lodi, Italy) plant.

CAS registry no. 61789-30-8, 68411-30-3, 160901-19-9
 EINECS no. 263-049-9, 270-115-0, 931-954-4

Sales Specification

Property	Test Method	Unit	Guaranteed Value¹
√ Appearance at 25°C	visual	-	flowable paste
√ pH (5% active matter)	RCM 3645	-	8.5 – 10.5
√ Dry matter	RCM 3644	% weight	48.0 – 52.0

√ values reported on inspection certificate.

¹ specification No. D007910 rev. 1 of January 29th, 2013.

Additional Properties

Property	Test Method	Unit	Typical Value
Density at 25°C	MPL 1003	kg/l	1.023
Dynamic Viscosity at 25°C	RCM 3641	mPa*s	
<i>As is (50% active matter)</i>			1300
<i>30% active matter</i>			1100
<i>20% active matter</i>			100
<i>10% active matter</i>			10

RCM and MPL are Sasol Italy analytical methods, internal or referred to international standard. Additional information available upon request.

Cod. 20421 - 20422 - 20423

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Main Applications

TENSIODAC[®] HDL-50 is a surfactants blend ready to dilute for production of HDL formulation. It has a proper LAS-NI-Soap ratio to get HDL formulation by addition of few components. Diluted in water at active matter lower than 30% the solution becomes a clear liquid so that it is suitable for concentrated and diluted HDL formulation as well.

Handling and Storage

TENSIODAC[®] HDL-50 should be stored preferably in stainless steel tanks or plastic receptacles. TENSIODAC[®] HDL-50 is a flowable paste that can be pumped at room temperature. It is stable at low temperature and easy handling up to cold temperature, it is solvent free and easily soluble in water. It could darken if stored in not proper condition like exposure to light and/or temperature above 50°C. TENSIODAC[®] HDL-50 is susceptible to microbial contamination and decomposition by microorganisms. TENSIODAC[®] HDL-50 is supplied containing a small amount of preservative (about 50 ppm of 1:1 mixture of Methylisothiazolinone (MIT) and Benzisothiazolinone (BIT)) sufficient for transport and short term storage. If the product is stored for several weeks it is recommended to carry out regular check of microbial content. Shelf-life is 12 months from production date for product in its original and sealed packaging.

Packaging

TENSIODAC[®] HDL-50 is generally supplied in plastic drums, details on available packaging can be obtained from sales department.

Data regarding safety, transport classes, toxicology and biodegradability of the product can be obtained from the corresponding material safety data sheet.

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