

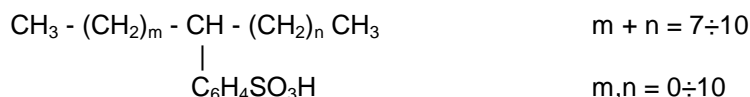


SOLFODAC[®] AC-3-I

Technical Data Sheet No. 4001 – February 2012

Description

SOLFODAC[®] AC-3-I is the sulphonic acid of ISORCHEM[®] 113 linear alkyl benzene. SOLFODAC[®] AC-3-I is manufactured in Terranova dei Passerini plant (Lodi, Italy). Chemical structure is the following:



CAS registry no. 85536-14-7
EINECS no. 287-494-3
REACH No 01-2119490234-40-0001, 01-2119490234-40-0000

Sales Specification

| Property | Test Method | Unit | Guaranteed Value ¹ |
|------------------------------------|-------------|----------|-------------------------------|
| * Appearance at 25°C | visual | - | liquid |
| * Anionic active matter (MW = 320) | RCM 3826 | % weight | ≥ 96.5 |
| * Unsulphonated matter (HPLC) | RCM 1406 | % weight | ≤ 2.5 |
| * Colour (5% w/v in Isopropanol) | RCM 3668 | Klett | ≤ 50 |
| * Water (Karl-Fischer) | RCM 3828 | % weight | ≤ 0.50 |
| * Sulphuric acid | RCM 3827 | % weight | ≤ 1.5 |

* values reported on inspection certificate.

¹ specification No. D007010 rev. 2 of January 23rd, 2004.

Additional Properties

| Property | Test Method | Unit | Typical Value |
|---------------------------------------|-------------|----------|---------------|
| Total 2 – Phenyl Isomers ² | RCM 1103 | % weight | 18 |
| Mass density at 30 °C | RCM 3663 | g/ml | 1.04 |
| Viscosity, kinematic at 30 °C | RCM 3633 | cSt | 700 |

² value determined on raw material ISORCHEM[®] 113

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



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Main Applications

SOLFODAC[®] AC-3-I is an intermediate for the production of the anionic surfactant, linear alkyl benzene sulphonate, sodium salt. The sodium salt is suitable for the production of high performance powder detergents, both heavy and light duty, as well as for liquid detergents with a medium content of active matter. SOLFODAC[®] AC-3-H salts can be used as surfactant for Enhanced Oil Recovery at high temperature.

Handling And Storage

SOLFODAC[®] AC-3-I should be stored preferably in stainless steel tanks or plastic receptacles. It is a viscous liquid at room temperature. SOLFODAC[®] AC-3-I is soluble in water. It could darken if stored in not proper condition (exposure to light and/or temperature above 40°C). Shelf life is 7 months from the production date.

Packaging

SOLFODAC[®] AC-3-I is generally supplied in bulk by tank trucks or tank containers. It may also be delivered in plastic drums of 220 litres capacity or in IBC.

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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