



# Kao Corporation, S.A.

Member of Kao Chemicals Europe

Puig dels Tudons, 10 -E-08210- Barberà del Vallès  
 Phone : +34-93-7399300 e-mail : marketing@kao.es  
 Fax : +34-93-7399377 Web : www.kaochemicals-eu.com



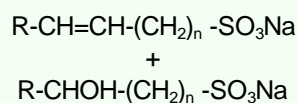
**APROVADO**

Dep. Qualidade

## ALFANOX<sup>®</sup> 46

- Primary Surfactant
- Foaming Surfactant
- Good Detergent
- Soil Dispersing Agent

### CHEMICAL IDENTIFICATION



INCI Name : Sodium C<sub>14-16</sub> Olefin Sulfonate  
 CAS Number : 68439-57-6

### TECHNICAL SPECIFICATIONS

		Kao Method
APPEARANCE (25°C) :	Yellowish Transparent Liquid	KCSA-258
ODOUR:	Characteristic	KCSA-267
COLOUR (Klett, 10% a.m.) :	150 max.	KCSA-088
ACTIVE MATTER (% , Ew = 323) :	36 - 39	KCSA-001
UNSULPHATED MATTER (%) :	1.3 max.	KCSA-082
pH (solution in water 5%)	6.0 – 8.0	KCSA-014
SODIUM SULPHATE (%) :	1.0 max.	KCSA-094
MICROBIOLOGICAL CONTROL (cfu / mL) :	10 max.	KCSA-234

## ALFANOX<sup>®</sup> 46

### TYPICAL PROPERTIES

DENSITY (20°C, g/mL, "spot") :	1.06 approx.
VISCOSITY (20°C, cPs) :	400 max.
WATER SOLUBILITY (20°C) :	Soluble
DROPPING POINT (°C) :	5°C approx.
CHARACTER :	Anionic

### APPLICATION PROPERTIES

- ALFANOX<sup>®</sup> 46 is an anionic surfactant with an excellent foaming power, even at very diluted concentration. It lathers well even in hard water and at low or high temperature.
- ALFANOX<sup>®</sup> 46 is soluble in water and very easy to dilute. It is specially indicated for washing up, liquid detergents, etc.
- ALFANOX<sup>®</sup> 46, due to its good skin compatibility, can be also recommended for toiletries: liquid soap, shampoo, body shampoo, etc.
- ALFANOX<sup>®</sup> 46 can be mixed with other anionic, non-ionic or amphoteric surfactants. Due to its anionic character it shouldn't be mixed with cationic components (surfactants, dyes, ...) in the same formula.

### STORAGE – HANDLING – SHELF LIFE

- ALFANOX<sup>®</sup> 46 is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container).
- The product is liquid and transparent but it becomes more viscous and sometimes hazy when the temperature drops.
- In the case of long storage time, it is advisable to homogenize the product before its use, especially if it has been submitted to low temperatures. Small changes in the appearance can be easily recovered by applying a moderate agitation at 25-30°C. A general advise is to use the complete container every time.
- The shelf life of ALFANOX<sup>®</sup> 46 can be considered of 2 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, colour, pH,...*), should be checked before using it.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.