

# FLAVOL AO

FLAVOL AO is lauryl dimethylamine oxide based on natural C<sub>12</sub>-C<sub>14</sub> tertiary amine.

INCI Lauramine Oxide  
CAS no. 308062-28-4  
EC no. 931-292-6

## PRODUCT SPECIFICATIONS

Property	Analytical method	Specification
appearance at 20 °C		clear liquid
ionic character		amphoteric
density at 20 °C, g/cm <sup>3</sup> , approx.		0.97
viscosity at 20 °C, mPa.s, approx.		20
* actives (M <sub>w</sub> = 240), % wt.	EN 03/d	30 ± 1
* free amine (M <sub>w</sub> = 224), % wt., max.	EN 03/d	0.3
* free peroxide, % wt., max.	EN 21/a	0.1
* pH, 5% aqueous solution	EN 08/a	7.0 – 8.0
* colour, °Klett, 5% a. m., 4 cm cuvette, max.		20

\* parameters stated in the CoA

## ADDITIONAL CHARACTERISTICS

- outstanding foam boosting profile
- compatibility with all types of surfactants
- stable in highly acidic and alkaline systems where it shows resistance to hydrolysis
- mildly cationic under acidic conditions
- stable in bleaching solutions
- stable in hard water
- significant lubricating, wetting and dispersing properties
- readily biodegradable

## MAIN APPLICATIONS

FLAVOL AO is an amphoteric surfactant with high foam profile and foam stability. It not only acts as a cleaning agent but also possesses outstanding emulsifying and conditioning properties and at the same time it strengthens foaming properties of the formulation.

FLAVOL AO is therefore used as a viscosity builder and co-surfactant in personal care products and HI&I products. Owing to its resistance, it is especially suitable for highly acidic and alkaline systems such as thickened hypochlorite products.

FLAVOL AO is widely used in the formulation of shampoos, hand soaps, shaving creams, hair conditioners, bubble baths, facial masks, dishwashing liquids, hard surface cleaners etc.

FLAVOL AO can also be used in other non-detergent and non-cosmetics applications such as textile, agrochemicals and oil fields chemistry.

## PRODUCT HANDLING, STORAGE AND PACKAGING

FLAVOL AO causes skin irritation and serious eye damage. Standard safety precautions should be followed when handling the product. Staff should be instructed on hazardous properties of the product and protection against its effects. When handling the product use protective gloves, protective clothing and eye/face protection. Eating, drinking and smoking at the workplace should be avoided and basic rules of work hygiene should be adhered to. Workers should wash hands and face thoroughly after handling. Detailed information on product classification, safe handling and first aid measures is given in the corresponding MSDS.

FLAVOL AO should be stored in original tightly closed packages or stainless steel, polyethylene or fiberglass tanks at temperatures between 10 – 40 °C. Avoid overheating or freezing. The product should be kept in covered, locked-up, cool, dry places, protected from moisture and climatic influences. Containers that have been opened must be carefully resealed after each use. If the product gets frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use. Under the conditions above, shelf life is 1 year from the date of shipment. Not observing the storage conditions may lead to deterioration of the product characteristics. In such case the manufacturer does not guarantee for the quality of goods.

FLAVOL AO is delivered in bulk road tanks, 200l PE drums or IBC containers. Other package sizes may be agreed on upon request.

## PRODUCER AND SUPPLIER

### ENASPOL a. s.

Velvěty 79

415 01 Teplice

Czech Republic

Phone number

+420-417-813-105

+420-417-813-106

Fax

+420-417-532-560

WWW

<http://www.enaspol.cz>

E-mail

[enaspol@enaspol.cz](mailto:enaspol@enaspol.cz)

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#### Note:

Data about the product characteristics and usage have been obtained by laboratory measurements and application tests. They are provided in good faith and they represent our best knowledge of the product. However, all the information contained herein has solely technical and non-binding character serving merely for our customers' orientation. Actual use of the product has to be adjusted to particular conditions while respecting the patent claims and copyrights. Binding qualitative parameters of the product are subject of contract or qualitative specification of the producer. Reprinting or publishing of information from this sheet is permitted only with the approval of the producer.