



## TECHNICAL DATASHEET

## DABS

DABS is di-alkylbenzene sulfonic acid based on di-alkylbenzene (DAB) with average carbon chain length of C<sub>20</sub>-C<sub>26</sub>.

CAS no. n/a  
EC no. 931-206-7

## PRODUCT SPECIFICATIONS

Property	Analytical method	Specification
appearance at 20 °C	EN 04/a	brown viscous liquid
ionic character		anionic
density at 20 °C, g/cm <sup>3</sup> , approx.	EN 23/b	0.97
viscosity at 20° C, mPa·s, approx.		130
* active matters, % wt. (M <sub>r</sub> = 465)	ČSN ISO 2271	70 – 75
* unsulfonated matter, % wt.	EN 06/a	20 – 25
* free sulphuric acid, % wt., max.	EN 02/b	2.0
water content, % wt., approx.	ČSN EN 13267	0.5

\* parameters stated in the CoA

## ADDITIONAL CHARACTERISTICS

- hardly soluble in water but soluble in water : ethanol solution (1:1)
- compatible with wide range of anionic, nonionic and amphoteric surfactants

## MAIN APPLICATIONS

DABS is an anionic surfactant most commonly used as anticorrosive and emulsifying additive in formulations of lubricating oils and greases for industrial and automotive engines.

DABS is also used in the production of anticorrosive detergents in metalworking, providing antiwear and demulsibility properties to the formulations.

To optimize the dosage and application of DABS to your specific end-use we recommend consulting our technicians prior to the use.

## PRODUCT HANDLING, STORAGE AND PACKAGING

DABS is a corrosive liquid of strongly acidic reaction. It causes severe skin burns and eye damage and it is harmful when swallowed. 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.

DABS should be stored in original tightly closed acidproof packages or stainless steel, polyethylene or fiberglass tanks at temperatures between 5 – 30 °C, in accordance with regulations on corrosives. 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.



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.

DABS is delivered in bulk road tanks, 110l or 220l PE drums or IBC containers. Other package sizes may be agreed on upon request. The product is ADR goods.

## SUPPLIER

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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.