



PTCHEM SULFUREX

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DUBACID

Technical specification TS SULF-01-2017

CAS: 85536-14-7
EINECS: 287-494-3
Registration no.: 01-2119490234-40-0036
Number U.N.O.: UN 2586

1. SUBJECT OF THE TECHNICAL SPECIFICATION

This technical specification is valid for production, testing and delivery of the product DUBACID. Dubacid is linear alkylbenzene sulfonic acid containing side alkyl chains of 10 – 13 carbon, mainly averaging 11,7 atoms, with a low content of free sulfuric acid and unsulfonated organic matter (free oil).

Dubacid (LABSA) is used for the production of liquid and powder detergents. It is a brown viscous liquid, strongly acidic reaction, flammable material IV. hazard class according to STN 65 0201.

Dubacid is strongly irritating and corrosive to the skin, mucous membrane and eye conjunctiva. It is the corrosive substance within the meaning of applicable regulations. Safety data, fire protection and health protection at work and environmental measures are listed in the safety data sheet.

2. TECHNICAL REQUIREMENT

Dubacid must comply with the following quality indicators:

Quality parameter	Limits	Tested acc. to
Active matter, wt %	min. 96	PP SULF 005
Free oil, wt %	max. 2,0	PP SULF 006
Free sulphuric acid H ₂ SO ₄ , wt %	max. 1,5	PP SULF 007
Water content, wt %	max. 0,8	PP SULF 004
Colour Klett	max. 25	PP SULF 003

3. SAMPLING

Sampling is carried out according to the STN EN ISO 3170.

4. DELIVERY, PACKAGING, TRANSPORT, STORAGE

4.1 For the delivery, packaging, transport and storage applies the Decree MV SR No.96/2004 Z.z. and STN 65 0201

4.2 Dubacid is usually delivered in railway tanks equipped with a hot water heating coils and road tank trucks made from stainless steel, in plastic or metal barrels with acid-resistant coatings, IBC containers or in the other suitable packaging based on customer's requirements.

4.3 Each package must contain the following data:

- a) producer
- b) product name
- c) reference to this specification
- d) month and year of production
- e) gross and net weight of the shipment
- f) warranty period from the date of performance
- g) relevant H and P sentences in accordance with the safety data sheet
- h) danger symbols
- i) label: flammable liquid IV. hazard class

4.4 Certificate of quality shall be attached to each consignment, stating:

- a) producer
- b) product name
- c) tank lorry No, charge
- d) statement, that the product suits to the TS SULF-01-2017
- e) date of dispatch
- f) name of the person responsible for the correctness of the control performed

4.5 Dubacid should be stored in closed packages in places protected from direct weather, at the temperature from 0 °C to + 30 °C.

The warranty period in compliance with these conditions is 6 months from the date of performance. When pumping or otherwise manipulating, the heating of the product can only be done indirectly, with warm water with a max. 60 °C. Steam heating or electric heating are not recommended because of the possibility of local „hot spots“ which can lead the acid colour degradation.

5. RELATED REGULATIONS

STN 01 8003	Labor safety principles in chemical laboratories
STN 33 0371	Non-explosive electrical equipment. Explosive mixtures. Classification and test methods.
STN 65 0201	Flammable liquids. Operations and warehouses
STN 65 0330	Chemical products. Determination of water content according to Karl Fischer
STN ISO 2271	Surfactants. Detergents. Determination of anionic active substances by manual or mechanical two-phase titration
STN EN ISO 3170	Petroleum liquids. Manual sampling
STN EN ISO 2592	Petroleum products. Flash point and flame detection, Cleveland's method in open crucible

Decree of MVSR no. 96/2004, laying down the principles of fire safety in the handling and storage of flammable liquids, heavy fuel oils and vegetable and animals fats and oils

6. PRODUCER AND SUPPLIER

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