

PRODUCT TECHNICAL SPECIFICATION
STW: 400/1

TRADE NAME	ABS Acid
CHEMICAL NAME	Alkylbenzenesulphonic acid
TECHNICAL REQUIREMENTS	Appearance brown liquid ABS Acids, % (m/m) 96÷98 (PN-ISO 2271:2000) Sulphuric acid (VI), % (m/m) max 1.0 (MB-0031) Unsulphonated substances, % (m/m) max 2.5 (MB-0019) Colour in iodine scale of neutralized 20% solution in solvent composed of water and ethyl alcohol (1+1/V+V) max. 4 (MB-0044)
GENERAL DATA	Molecular weight approx. 320 Solubility in water soluble, creates gel in concentrations of 40÷90% Other solvents alkaline solutions, hydroxides, ethanoloamines, low aliphatic alcohols Density at 20 °C, g/ml approx. 1.06 Odour sulphur dioxide Solidification point, °C below -5
APPLICATION	Anionic surfactant, after neutralization used as a component of liquid and powder washing and cleaning agents.

PACKAGING	Cisterns or tanker trucks made of acid resistant steel with heating elements, polyolefin containers with a capacity of 120 litres or 1000 litre containers marked with an appropriate UN label.
STORAGE CONDITIONS	Store in closed containers made of polyester or acid resistant steel fitted with heating elements; store in closed polyolefin containers. Maximum storage temperature of 50 °C, storage in higher temperature causes product darkening. Guaranteed period of stability: 12 months from the date of manufacture. After the expiry of this period, the product can be used upon verifying the conformity of its parameters with the technical requirements. In case of non-conformity, application tests should be performed.
TRANSPORT	ADR – Transport name: UN 2586 ALKYL SULPHONIC ACIDS, LIQUID (Alkylbenzenesulphonic acid), 8, III RID – Transport name: 80 UN 2586 ALKYL SULPHONIC ACIDS, LIQUID (Alkylbenzenesulphonic acid), 8, III Class: 8; Classification code: C3; Packing group: III; Labels: 8; Special provisions: 274; Restricted volume: LQ19; IMDG – Transport name: UN 2586 ALKYL SULPHONIC ACIDS, LIQUID Class: 8; Packing group: III; Labels: 8; Special provisions: none; Restricted volume: 5l;
HAZARD SYMBOL	Corrosive (C). Harmful (Xn).
R-PHRASES	Harmful if swallowed (R 22). Causes burns (R 34).
S-PHRASES	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S 26). After contact with skin, wash immediately with plenty of water (S 28). Wear suitable protective clothing, suitable gloves and eye/face protection (S 36/37/39).
NUMBER	STW: 400/1 ABS Acid
DATE	2005.05.30