

Kemsurf SBE Acid

Specification	Appearance at 25°C	:	Dark brown viscous liquid
	SAM % (Equivalent Weight 326)	:	96.5 Min

Typical Properties	Composition	:	Dodecyl Benzene Sulphonic Acid
	CAS Number	:	85536-14-7
	pH	:	Approximately 1
	Odour	:	Characteristic
	Viscosity at 25°C (cP)	:	1488
	Specific Gravity at 20°C	:	1.06
	Solubility in Water	:	Slightly Soluble
	Pour Point °C	:	6.3
	Flash Point °C	:	197

Typical properties are based on our own measurements and do not constitute part of the sales specification

Application Kemsurf SBE Acid is a high active dodecyl benzene sulphonic acid manufactured by SO₃ sulphonation. This particular acid is manufactured from a narrow cut straighter chain grade detergent alkylate. As a result of using this grade of alkylate the product is classified as readily biodegradable. Kemsurf SBE Acid is an ideal raw material for the production of detergents that can be used in a number of application areas such as liquid dish washing and cleaning solution for both industrial and domestic use. Also the neutralised products offer excellent emulsification properties depending upon the salt produced.

Kemsurf SBE acid is recommended as an intermediate for neutralisation with a number of bases such as sodium hydroxide, potassium hydroxide, ammonia and triethanolamine. The following table gives the approximate amount of base to neutralise 100 parts by weight of Kemsurf SBE acid.

Neutralising Base	Parts of weight required
30% w/w sodium hydroxide solution	41.0
50% w/w potassium hydroxide solution	34.5
100% triethanolamine	46.0
35% w/w ammonia solution	15.4

NOTE: Lankem offer neutralised products

Packaging Kemsurf SBE Acid is supplied in 200kg drums.

Storage Stainless steel, polyethylene or glass lined equipment is necessary for the storage of Kemsurf SBE Acid in order to prevent corrosion and subsequent contamination. This material can separate on standing and at low temperatures. May require agitation and warming prior to use.