

## TIB KAT S 70

**TIB KAT S 70** is a 70% clear, aqueous solution of sulfosuccinic acid. The product shows high stability against thermal and oxidative decomposition.

As a result of its high acidic strength combined with a low molecular weight, **TIB KAT S 70** is an excellent catalyst for esterification reactions.

For esterification reactions usually 0.1% **TIB KAT S 70** is used. It is applicable for the esterification of primary and secondary alcohols at temperatures between 60 and 200°C.

Due to its low volatility **TIB KAT S 70** does not distil from the reaction mixture, especially when vacuum is applied at high reaction temperatures.

Using **TIB KAT S 70** will lead to colourless products with low acid values after short reaction times.

**TIB KAT S 70** can be removed completely from water-insoluble esters by a neutralisation process with saturated sodium bicarbonate solution.

Product Data	
Chemical formula	C <sub>4</sub> H <sub>6</sub> O <sub>7</sub> S
CAS-No.	5138-18-1
Molecular weight	198 g/mol
Colour	colourless to slight yellowish
Odour	odourless

### Specification

Acid content	69.0 – 71.0 %
Density (20°C)	approx. 1.46 g/ml
Sulfate content	≤ 1.0 %
Chloride content	≤ 0.05 %

### Storage

**TIB KAT S 70** can be stored for at least one year if kept closed in the original packaging. Sensitive to frost.

### Packaging

45 kg or 260 kg plastic drum,  
other packaging size available upon request.

### Special advice for security

Information concerning

- classification and labelling according to the regulations governing transport and hazardous chemicals
- protective measures for storage and handling
- safety measures in case of accident and fire
- toxicity and ecological effects

is given in our material safety data sheet.

**Customs Tariff No.: 2917 1980**

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