

TIB KAT[®] SP

TIB KAT SP is a formulation based on methane sulfonic acid and a phosphorous compound.

TIB KAT SP is an excellent catalyst providing high efficiency in esterification reactions. In general terms the use of **TIB KAT SP** leads to products with significantly lighter colour values than using pure methane sulfonic acid, other sulfonic acids or sulfuric acid.

The advantages of **TIB KAT SP** are especially visible when using raw materials, which create colors during the esterification process.

The preferred temperature range for **TIB KAT SP** is between 60 - 180 °C. The dosage of the catalyst is depending on the application between 0.05 - 1 %.

The ratio between methane sulfonic acid and phosphorous compound can be changed upon request.

Product Data	
Chemical formulation	proprietary
State of aggregation	liquid, aqueous sol.
Density (20°C)	approx. 1.3 g/cm ³
Content phosphorous compound	approx. 17 %
Solubility	miscible in water at all concentrations
Odour	practically odourless

Specification

Content CH ₃ SO ₃ H	≥ 45.0 %
Sulphuric acid	≤ 0.1 %
Colour (Gardner)	≤ 1

Storage

TIB KAT SP has a shelf life of at least one year if stored correctly in its original closed packaging at room temperature. Exposure of the solution to the atmosphere or light may result in a slight yellow discolouration of the product or development of a light odour.

Packaging

25 kg and 50 kg drum,
other packaging 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.: 2904 1000

Issue / Oct 16