

## TIB KAT® HES 70

**TIB KAT HES** is an hydroxyfunctional aliphatic sulfonic acid.

**TIB KAT HES** is used as esterification catalyst for oleochemicals. It is especially suitable due to its low volatility at high temperatures and high vacuum.

If used for manufacturing of isothionate esters no removal of the catalyst is necessary, just neutralisation.

**TIB KAT HES** can be used for acid catalyzed crosslinking of melamine resins. Neutralisation with amines is exothermic but easily possible.

### Product data

Chemical Formula	HOCH <sub>2</sub> CH <sub>2</sub> SO <sub>3</sub> H
Chemical name	Hydroxyethane sulfonic acid, Isethionic acid, HES
Molecular weight	126.12 g/mol
Density (20°C)	approx. 1.4 g/ml
Solubility	miscible in water at all concentrations
Odour	practically odourless

### Specification

HES content	≥ 69.5 %
Sulfate content	≤ 0.3 %
Chloride content	≤ 0.2 %
Sodium content	≤ 0.2 %

### Storage

**TIB KAT HES** has a shelf of at least one year if stored correctly in its original closed packaging at room temperature.

### Packaging

230 kg drum and 1.250 kg IBC, 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.: 2904 1000**

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