



TIB KAT HES 70

Description

TIB KAT HES 70 is an hydroxyfunctional aliphatic sulfonic acid.

TIB KAT HES 70 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 neutralization.

TIB KAT HES 70 can be used for acid catalyzed crosslinking of melamine resins. Neutralization with amines is exothermic but easily possible.

Product Data

Chemical name	Hydroxyethane sulfonic acid, Isethionic acid, HES
CAS No.	107-36-8
Molecular weight	126.13 g/mol
State of aggregation	liquid, aqueous

Specification

HES content	≥ 69.5 %
Sulfate content	≤ 0.3 %
Chloride content	≤ 0.2 %
Sodium content	≤ 0.2 %
Color (Hazen)	≤ 100
Density (20°C)	1.38 – 1.41 g/ml

Storage

TIB KAT HES 70 has a shelf of at least one year if stored correctly in its original closed packaging at room temperature.

Packaging





25 kg pail, 230 kg drum, 1250 kg IBC, other packaging size upon request.

Packaging USA

Packaging size 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



TIB KAT HES 70

Product Carbon Footprint (PCF)

Created by: KlimAktiv Consulting GmbH

PCF-results (emissions)	Value (Mannheim)	Value (Pittsburgh)	Unit
Sum of PCFs (Cradle-to-gate)	-	-	kg CO ₂ eq/kg
PCF excluding biogenic emissions	-	-	kg CO ₂ eq/kg
Biogenic emissions	-	-	kg CO ₂ eq/kg

The Product Carbon Footprint (PCF) covers one of several environmental impacts of chemical products. The PCF does not allow comprehensive conclusions about the overall environmental performance of the product. Comparisons of PCFs from different data sources are only possible to a limited extent. The PCF presented here applies to the product sold by TIB Chemicals.

The PCF is based on data of the accounting year 2024 and follows the calculation method outlined in ISO 14067, the Tfs Guideline, the BASF Guideline, the cradle-to-gate system boundaries, the declared unit kg CO₂e/kg product (excl. packaging) and the sum of different emissions from Scope 1, 2 and 3 (raw material and preliminary products (e.g. secondary data), transportation of purchased products and inbound logistics, as well as company- and site-specific processes including primary energy consumption, electricity and heat consumption). The emissions from biogenic carbon and land-use changes are considered as far as data sources are available.