TIBCHEMICALS

TIB KAT 525

Description

TIB KAT 525 is a liquid catalyst based on an alkoxy titanate.

TIB KAT 525 is an active catalyst mainly for esterification and transesterification reactions and also useful for the hardening of hydrolysis-condensation curing systems.

TIB KAT 525 is sensitive to moisture and therefore the product has to be handled carefully. If the product is exposed to moisture alcohol can be released. As a consequence the flash point of the product decreases.

Product Data

Chemical Name	Tetra n-butyl titanate
CAS	5593-70-4
Molecular weight	340.36 g/mol
State of aggregation	yellow-to-amber clear liquid

Specification

Ti content	13.85 – 14.20 %
Density (25°C)	0.985 – 1.005 g/cm^3
Chloride	≤ 50 ppm

Storage

TIB KAT 525 can be stored at least six months from date of delivery if kept closed in the original packaging at ambient temperature and in a dry place protected against temperature raise and excessive humidity. Inertisation of once opened drums with nitrogen is recommended.

Packaging

25 kg pail, 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.: 2905 1900

TIB Chemicals AG | P. O. Box 810220 | 68202 Mannheim | Germany | Phone +49 621 8901-811 | kat@tib-chemicals.com I www.tib-chemicals.com
TIB Chemicals Corporation| 2120 William Pitt Way B3 | Pittsburgh | 15238 Pennsylvania | USA | Phone +1 800 426 7273| sales@tib-chemicals.com

TIBCHEMICALS

TIB KAT 525

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_2eq/kg
PCF excluding biogenic emissions	-	-	kg CO_2eq/kg
Biogenic emissions	-	-	kg CO_2eq/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.

TIB Chemicals AG | P. O. Box 810220 | 68202 Mannheim | Germany | Phone +49 621 8901-811 | kat@tib-chemicals.com I www.tib-chemicals.com
TIB Chemicals Corporation| 2120 William Pitt Way B3 | Pittsburgh | 15238 Pennsylvania | USA | Phone +1 800 426 7273| sales@tib-chemicals.com