



TIB KAT 530

Description

TIB KAT 530 (titanium isopropoxide), also known as titanium tetraisopropoxide or tetraisopropyltitanate (TIPT) is a liquid catalyst based on titanium.

TIB KAT 530 can be applied for the curing of silicones, silanes and silane terminated polymers. It can also be used in esterification and transesterification reactions.

TIB KAT 530 is sensitive to moisture and therefore contact has to be minimized. At higher humidity weather conditions hydrolyses can occur and leads to decreasing flash points.

Product Data

Chemical Name	titanium isopropoxide, or tetraisopropyltitanate (TIPT)
CAS No.	546-68-9
Molecular weight	288.25 g/mol
Aggregation state	Liquid

Specification

Ti as TiO ₂ content	27.5-28.2 %
Color (APHA)	≤500 ppm
Density (25°C)	0.950 - 0.970 g/ml

Storage

TIB KAT 530 can be stored at least 12 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 of humidity. Inertisation of once opened drums with nitrogen is recommended.

Packaging

25 kg pail, 190 kg drum,
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.: 3815 9090



TIB KAT 530

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.