



TIB KAT 617

Description

TIB KAT 617 (Zinc Neodecanoate) is a commonly used zinc catalyst for polyurethane applications. *TIB KAT 617* utilizes neodecanoic acid as the ligand source, and enhances compatibility in a wide range of polyurethane formulations. Related catalysts include *TIB KAT 620*, a zinc carboxylate based on an octanoic acid-derived ligand. Compared to organotin catalysts *TIB KAT 617* shows a lower activity offering longer pot life in 2p systems.

TIB KAT 617 is especially useful in curing reactions at elevated temperatures and in curing systems based on aromatic isocyanates.

TIB KAT 617 shows higher reactivity and better color stability compared to *TIB KAT 620*.

TIB KAT 617 should be used in concentrations between 0.02 – 1.0 wt.-% in relation to the total formulation.

TIB KAT 617 and its components are also presented on a wide range of international regulatory lists, including US TSCA, EU REACH and Canadian DSL, making it a great choice for multinational formula development.

Product Data

Chemical formula	Zinc neodecanoate
State of aggregation	colourless liquid

Specification

Zinc content	15.0 – 17.0 %
Gardner color	≤ 4.0

Storage

TIB KAT 617 can be stored for at least one year if kept closed in the original packaging and away from light and moisture.

Packaging

25 kg pail, 1000 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.: 2931 9000



TIB KAT 617

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.