



TIB KAT 715

Description

TIB KAT 715 (Bismuth and Zinc Neodecanoate) is a commonly used blend of bismuth and zinc co-catalyst that is primarily used in polyurethane applications. This bismuth and zinc neodecanoate utilizes neodecanoic acid as the ligand source, enhancing compatibility with a wide range of polyurethane formulations. The unique reactivity of *TIB KAT 715* is due to the two metal components, each offering different catalytic effects on the overall polyurethane reaction. *TIB KAT 715* can, upon request, be provided with different ratios of bismuth and zinc, depending on the desired reactivity. The product is suitable to replace DBTL (*TIB KAT 218*) in certain polyurethane systems.

TIB KAT 715 is especially suitable for curing reactions at elevated temperatures.

TIB KAT 715 can be dissolved in common solvents for polyurethane systems, but it is recommended to test solution stability carefully.

TIB KAT 715 is typically used in concentrations between 0.02 - 0.5 wt.-%.

Product Data

Chemical Name	blend of Bismuth and Zinc neodecanoate
Cas No.	27253-29-8 / 34364-26-6
State of aggregation	clear liquid

Specification

Metal content	≥15.0 %
Colour (Gardner)	≤ 4

Storage

TIB KAT 715 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, 200 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



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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.