



TIB KAT 716 LA

Description

TIB KAT 716 LA (Bismuth Neodecanoate) is an effective, low acid catalyst formulation for use in various polyurethane applications. *TIB KAT 716 LA* is a bismuth catalyst that gives a good balance in front and back reactivity with lower free acid content than standard *TIB KAT 716*. *TIB KAT 716 LA* is good a non-tin alternative to DBTL for various polyurethane applications including: coatings, adhesive/sealants, elastomers and foams.

TIB KAT 716 LA is typically used in concentrations between 0.01 - 0.1 %.

TIB KAT 716 LA can be dissolved in common solvents for polyurethane systems, but it's recommended to test solution stability carefully.

TIB KAT 716 LA can be added to the reactants either as it is or blended with alcohols.

Product Data

| | |
|----------------------|----------------------------------|
| Chemical Name | Bismuth neodecanoate formulation |
| CAS | 34364-26-6 |
| Molecular weight | 722.75 g/mol |
| State of aggregation | clear liquid |

Specification

| | |
|------------------|---------------|
| Bismuth content | 15.0 – 16.5 % |
| Colour (Gardner) | ≤ 5.0 |

Storage

TIB KAT 716 LA can be stored for at least one year if kept closed in the original packaging at moderate temperatures. The container should be closed tightly after each use to maximize shelf life.

Packaging

25 kg pail, 50 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) | 12,2 | - | kg CO ₂ eq/kg |
| PCF excluding biogenic emissions | 12,1 | - | kg CO ₂ eq/kg |
| Biogenic emissions | 7,93E-03 | - | 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.