



## TIB KAT 421

### Description

*TIB KAT 421* (Dibutyltin Oxide + Plasticizer) is a liquid version of dibutyltin oxide, also known as DBTO (*TIB KAT 248*), which contains a high molecular weight phthalate-based plasticizer. This variant of dibutyltin oxide contains 40% of the active tin content compared to the solid version of DBTO, *TIB KAT 248*.

*TIB KAT 421* can be applied for the curing of silicones and silane systems, especially for 1p MS silyl polymer systems.

As *TIB KAT 421* is sensitive to hydrolysis contact with moisture has to be minimized.

### Product Data

Chemical name	DBTO-plasticizer blend
CAS No.	818-08-6
State of aggregation	liquid

### Specification

Tin content	20.0 – 23.0 %
Density (20°C)	1.100 – 1.200 g/cm <sup>3</sup>
Colour (Gardner)	≤ 4.0

### Storage

*TIB KAT 421* can be stored for at least one year if kept closed in the original packaging. The container should be closed tightly after each use to maximize shelf life and inertisation of once opened drums with nitrogen is recommended.

### Packaging

25 kg pail, 1000 kg IBC,

other packaging size upon request.

### Packaging USA





44 lb (20 kg) pails, 485 lb (220 kg) drums,

2425lb (1100 kg) IBC,

other 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 421

### Product Carbon Footprint (PCF)

Created by: KlimAktiv Consulting GmbH

PCF-results (emissions)	Value (Mannheim)	Value (Pittsburgh)	Unit
<b>Sum of PCFs (Cradle-to-gate)</b>	11,8	-	kg CO <sub>2</sub> eq/kg
<b>PCF excluding biogenic emissions</b>	11,8	-	kg CO <sub>2</sub> eq/kg
<b>Biogenic emissions</b>	7,93 E -03	-	kg CO <sub>2</sub> 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 CO<sub>2</sub>e/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.