TIBCHEMICALS

TIB KAT 613

Description

TIB KAT 613 is an effective zinc catalyst for the crosslinking of polyurethanes. *TIB KAT 613* exhibits lower reactivity compared to organotins and provides pot life extension in 2 component systems. Typical of most zincs, *TIB KAT 613* selectivity catalyzes the crosslinking polyurethane reactions.

TIB KAT 613 is used in applications where toxicity concerns need to be mitigated, as it is a safer choice compared to organotins and *TIB KAT 620*.

Product Data

Chemical Name	Zinc neodecanoate formulation
Cas No.	27253-29-8
Molecular weight	409.92 g/mol
State of aggregation	clear liquid

Specification

Zinc content	12.5 – 13.5 %
Density (g/mL)	1.05 – 1.15
Colour (Gardner)	≤ 2
Viscosity (20°C)	≤ 400 mPa.s
Water content	≤ 0.5 %

Storage

TIB KAT 613 can be stored for at least one year in the original packaging at moderate temperatures and kept from freezing. The container should be closed tightly after each use to maximize shelf life.

Packaging

Packaging size upon request.

Packaging US

440 lb (200 kg) drum, 44 lb (20 kg) plastic pail,

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

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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_2eq/kg
PCF excluding biogenic emissions	-	-	kg CO_2eq/kg
Biogenic emissions	-	-	kg CO_2eq/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.

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