



## TIB Zinc Chloride Solution TG1

### Product description

*TIB Zinc Chloride Solution TG1* is a aqueous solution of Zinc Chloride. It is a high quality Zinc source for your application.

### Product Characteristics

Chemical formula	ZnCl <sub>2</sub>
Englisch name	Zinc Chloride Solution
IUPAC name	Zinc(II)Chloride
Molecular weight	129.6 g/mol
CAS number	7646-85-7
EC number	231-592-0
UN number	2331

### Physical Properties

Density	Ca. 1.40 g/ml
pH	Aprox. 4.5 - 5
Solubility	Fully miscible with water
Delivery form	Solution
Colour	Clear, colourless to light yellow

### Chemical Characteristics

Assay	38 - 40 % Solution
Zinc Chloride	Ca. 560 g/l
Zinc	19 %
Zinc	Ca. 106 g/l

### Typical Contaminates

Zinc oxide	<0.3 %
Cadmium	<5 ppm
Copper	<2 ppm
Iron	<5 ppm
Lead	<5 ppm

### Packaging

1000 L IBC  
20 m<sup>3</sup> Tanker

### Storage

*TIB Zinc Chloride* has a shelf life of approximately 12 months if stored in sealed containers in a cool dry place. Exposure of the solution to a temperature below freezing point may result in crystallization

### Special advise for Security

Suitable protective clothing should be worn when handling the product for further information refer to the relevant MSDS



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## Product Carbon Footprint (PCF)

Created by: KlimAktiv Consulting GmbH

PCF-results (emissions)	Value	Unit
<b>Sum of PCFs (Cradle-to-gate)</b>	-	kg CO <sub>2</sub> eq/kg
<b>PCF excluding biogenic emissions</b>	-	kg CO <sub>2</sub> eq/kg
<b>Biogenic emissions</b>	-	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.