



## TIB Zinc Nitrate S680

### Product description

*TIB Zinc Nitrate solution* is Zinc Nitrate in aqueous solution. It is a high quality Zinc source for your application.

### Product data

Chemical formula	Zn(NO <sub>3</sub> ) <sub>2</sub>
English name	Zinc Nitrate solution
IUPAC name	Zinc Nitrate
Molecular weight	225.18 g/mol
CAS number	7779-88-6
EC number	231-943-8
UN number	1514




### Physical Properties

Density	ca. 1.5 g/ml
pH	approx. 1
Solubility	Fully miscible
Delivery form	Clear solution
Colour	Colourless – light yellow

### Chemical Characteristics

Assay	45 %
Zinc Nitrate	Ca. 675 g/l
Zinc	Ca. 15.5%
Trace Metals	< 2 ppm each

### Packaging





-  1.250 kg IBC
-  1.450 kg IBC
-  300 kg Barrels

### Storage

*TIB Zinc Nitrate* 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

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.: 2834 2980**



## TIB Zinc Nitrate S680

### 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.