



Zinc oxide HSSA

Product Data

Chemical name	Zinc oxide
Chemical formula	ZnO
Appearance	Fine powder, white up to yellowish
Molecular weight	81.38 g/mol
CAS RN	1314-13-2
Solubility	Insoluble in water and ethanol; soluble in acids and alkaline
Bulk density	0.7 kg/l approx.

Analysis

Parameter	Specification
Zinc content:	76% min.
Loss of ignition (2 h, 800°C):	5% max.
Specific Surface Area (BET):	70 m ² /g min.

Application

Zinc oxide HSSA is a special quality. The material shows an unusual high specific surface area. Therefore, it is suitable especially for heterogeneous catalysis precursors.

Packaging

Plastic bags containing 25 kg net weight





Special packaging upon request

Storage

Zinc oxide HSSA has a shelf-life of up to 1 year if stored correctly in dry areas and in its original closed packaging at room temperature

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 sheets.

Customs Tariff No.: 2817 0000



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Product Carbon Footprint (PCF)

Created by: KlimAktiv Consulting GmbH

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