



Product Information

TIB ZiCa H

Product number 206743

TIBCHEMICALS

PRODUCT DESCRIPTION

TIB ZiCa H is a Zinc-Hydroxidcarbonate of high purity.

TIB ZiCa H finds use in the Cosmetic, Chemical, Rubber and Bitumen industries.

PRODUCT CHARACTERISTICS

Chemical formula	3Zn(OH) ₂ ·2ZnCO ₃
Molecular formula	C ₂ H ₆ O ₁₂ Zn ₅
Chemical name	di[carbonato(2-)]hexahydroxypentazinc
Molecular weight	548.9624 g/mol
CAS number	51839-25-9
EG number	226-076-7
UN number	UN3077

PHYSICAL PROPERTIES

Bulk density	Typically 0.6 – 1 Kg/L
Particle size (D50)	Typically <20µm
Surface area (BET)	Typically >20m ² /g

CHEMICAL CHARACTERISTICS

Zinc content	Minimum 56%
Zinc as Zinkoxid	Minimum 70%
pH (10% solution)	9.2 – 9.9
Moisture content	<1.5%

PACKAGING

- ◆ 500 kg Big-bags
- ◆ 25 kg bags

STORAGE

TIB ZiCa H has a shelf life of approximately 6 months if stored in sealed containers in a cool dry place.

TYPICAL CONTAMINATES

Chlorides	<2.500ppm
Sulphates	<200ppm
Arsenic	<2ppm
Lead	<30ppm
Calcium	<1.200ppm
Cadmium	<3ppm
Chromium	<2ppm
Cobalt	<2ppm
Copper	<2ppm
Iron	<50ppm
Mercury	<1ppm
Magnesium	<200ppm
Manganese	<50ppm
Sodium	<3.000ppm
Nickel	<10ppm
Antimony	<2ppm
Tin	<100ppm

Please note that the typical contaminants deviate from the actual specification

SPECIAL ADVICES 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 NUMBER

2836 9917