

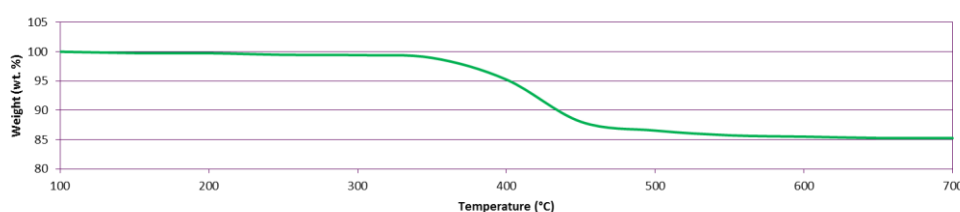


Chemical name	Zinc Borate	Formula	$2\text{ZnO} \cdot 3\text{B}_2\text{O}_3 \cdot 3,5\text{H}_2\text{O}$	Formula Weight	434.7
CAS	138265-88-0	EINECS	235-804-2	Custom tariff	28402090

Product Specification	Characteristics	Units	Specification Value	
			min	max
	Appearance		Fine Powder	
	Colour		White	
	Boron Trioxide (B_2O_3)	%	46.5	49.5
	Zinc Oxide (ZnO)	%	37.0	39.0
	Crystallization Water	%	11.5	16.5
	Moisture	%	--	1.0
	Particle size distribution (% Progressive)	Units	Specification Value	
			min	max
	> 25 μm	%	--	1
	> 15 μm	%	--	10
	> 5 μm	%	--	50

Typical Chemical-Physical Characteristics

Characteristics	Units	Value
Odour/Taste		Odourless
Volatile Loss (24 hours at 120 °C)	%	< 1.0
Weight Loss at 950 °C	%	< 15,5
Approx. Dehydration Temperature	°C	290
Refractive Index		1.57
Crystal Density (at 20 °C)	g/cm^3	2.8
Oil Absorption	% w/w	24
Water Solubility (gr $\text{Zn}_2\text{B}_6\text{O}_{11} \cdot 3,5\text{H}_2\text{O}$ / 100 gr H_2O at 20 °C)	% w/w	< 0.1
Particle size distribution values		
d10	μm	0.7 ÷ 0.9
d50	μm	3.0 ÷ 3.8
d99	μm	10.2 ÷ 18.0
Thermogravimetric curve		



Applications

In the plastic industry as flame retarder and smoke suppresser; in the wood industry as preserver and flame retarder; in the wood-plastic composites industry.

Packaging

Standard Packaging 25 kg Bags; 1000 kg Big Bags.

Shelf Life

If correctly stored, the product is chemically and physically stable.
Store product in a dry, well ventilated warehouse.

Safety Data

Please refer to material safety data sheets for any information regarding hazards identification or handling and storage of this product.

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =

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Larderello
Group

SCL Italia SpA

Via Fabio Filzi 25/A – 20124 Milano, Italy – Tel +39 02 6771681
Fax +39 02 67716820 – info@scl.it – www.scl.it
Socio unico, soggetta a direzione e coordinamento di IPI srl
CCIAA MI 1504336 – C.F. / P.IVA 01231260504 – Cap. Soc. € 520.000 i.v.