



Tonwerk der Stadt Klingenberg a. Main

Tonwerk der Stadt Klingenberg a. Main, 63908 Klingenberg a. Main

VIA RCO -
Industria De Lapis, LDA
Apartado 454

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Verwaltung:

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Bankverbindungen:
Sparkasse Mittelhess/Oberhess
Kfz Bank Klingenberg

Werk:

Tonwerk der Stadt
Klingenberg a. Main
am Bergwerk
63911 Klingenberg a. Main

Telefon: (09372) 20306

BIC: KUN1333
Konto: 430 100 144
IBAN: 276 900 00 6 800 000

Ihre Zeichen: 41138 Zeichen

Unsere Zeichen:
Sch-pl

Datum:

28.10.2003

KLINGENBERGER Clay

<u>Analysis of mineral composition</u>		<u>Grain size distribution</u>		
Clay substance	85,40 %	< 2 µm	(T)	91 %
Quartz	6,57 %	2 - 6 µm	(fU)	3 %
Feldspar	8,03 %	6 - 20 µm	(mU)	1 %
		20 - 63 µm	(gU)	1 %
		3 - 200 µm	(fS)	4 %
		> 2.000 µm	(G/X)	0 %
<u>Chemical analysis</u>		<u>Moisture content</u>		
SiO ₂	58,57 %	Moisture of the mine		ca. 25 %
TiO ₂	1,34 %	by raw clay		ca. 21 %
Al ₂ O ₃	34,22 %	by granulation	<	ca. 5 %
Fe ₂ O ₃	3,44 %	by powder	<	ca. 5 %
CaO	0,76 %	Green strength:		
MgO	0,10 %	in N/mm ²		7,8 %
K ₂ O	1,41 %	Fired colour:	grey	
Na ₂ O	0,16 %	Product forms:	raw clay	
Loss on ignition	10,57 %		granulation	
			Powder 0 - 0,5 mm	

DIN safety data sheet

Date: 28.10.2003

Company		Tonwerk der Stadt Klingenberg a.Main	
Commercial product name		Klingenberger Pencil Clay, granulation dry	
1.1 Chemical characterization: look at chemical analysis (enclosed)			
1.2 Form: granulation		1.3 Colour: grey till black	1.4 Odour: odorless
2 Physical data and safety data			Tested in accordance with
2.1 Change in physical state			
			°C
			°C
2.2 Density	(°C)		g/cm ³
Bulk density		2620	kg/m ³
2.3 Vapour pressure	(°C)		mbar
	(°C)		mbar
2.4 Viscosity	(°C)		
2.5 Solubility in water	(°C)		g/l
In	(°C)		g/l
2.6 pH value (at	g/l H ₂ O) (°C)		
2.7 Flash point			°C
2.8 Ignition temperature	not combustible		°C
2.9 Explosion limits	Lower:	Upper:	Inapplicable
2.10 Thermal decomposition			
2.11 Hazardous decomposition products	inapplicable		
2.12 Hazardous reactions	inapplicable		
2.13 Further information	Pencilclay is a product of the nature		
3 Transport		GGVSee/IMDG code:	UN No.:
		GGVE/GGVS:	RID/ADR:
		Other information:	CAO/IATA-DGR:
			ADR:
4 Regulations			
no instructions			

DIN safety data sheet in accordance with DIN 55103-1 (1991) applicable from 01.01.2004, D-1000 Berlin 50 - Siles 10-11, 1.1.03

Commercial product name		Klingenberger Pencilclay	
5 Protective measures, storage and handling			
5.1	Technical protective measures		
	inapplicable		
5.2	Personal protective equipment	Respiratory protection: Hand protection:	Eye protection: Other:
5.3	Industrial hygiene		
5.4	Protection against fire and explosion		
5.5	Disposal		
6 Measures in case of accidents and fires			
6.1	After spillage / leakage / gas leakage		
6.2	Extinguishing media	Suitable:	inapplicable
		Not to be used:	
6.3	First aid		
6.4	Further information		
7 Information on toxicity			
	look at enclosed No. 2		
8 Information on ecological effects			
9 Further information			

DIN 52900