

PRODUCT DESCRIPTION	
Product	Synthetic Hydrotalcite
Chemical Description	Magnesium Aluminum Hydroxide Carbonate
Chemical Formula	$Mg_{1-x}Al_x(OH)_2(CO_3)_x/2mH_2O(0 < x \leq 0.5)$
CAS No	110097-59-9
EC No	234-319-3

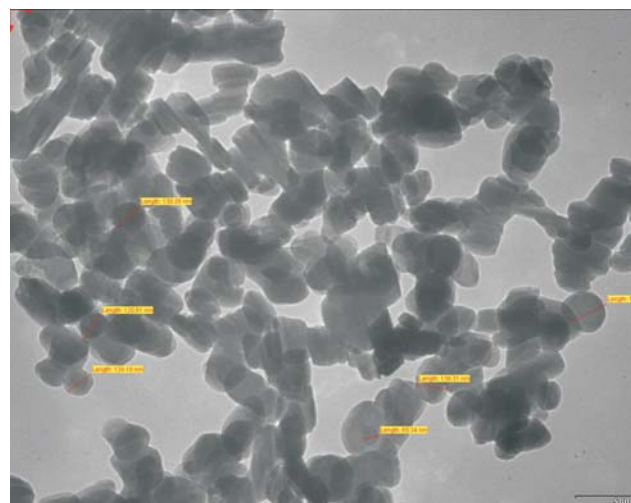
TECHNICAL DATA		
Appearance	Fine White Powder	
Density [g/cm ³]	2.0	DIN EN ISO 787-10
Specific Surface [m ² /g]	5 - 15	BET
pH (5%)	8 - 9.5	5% Ethanol in Water
Oil Absorption [ml/100g]	40 - 50	DIN EN ISO 787-5
Loss on ignition (%)	43.5 - 45.0	@ 800°C / 4 Hrs.
Loss on Drying (%)	< 0.5	@ 105°C / 4 Hrs.
Al ₂ O ₃ (%)	19 - 23	By titration
MgO (%)	30 - 35	By titration
Particle Size (µm)	80% < 1, 100% < 5	Laser Diffraction

REGULATIONS	
Germany BfR recom. IX	Compliant
APME AP 89/1	Compliant
USA (FDA) GRAS	Listed
Food Contact Materials (EU)	PM/REF No.34690
Toys Europe EN 71-3	Compliant
Toys USA ASTM F 94/62	Compliant
CONEG, EC 94/62	Compliant
ROHS, 2002/95/E, 2005/618/EC	Compliant
End of Life Vehicles, 2000/53/EC, 2002/525/EC	Compliant

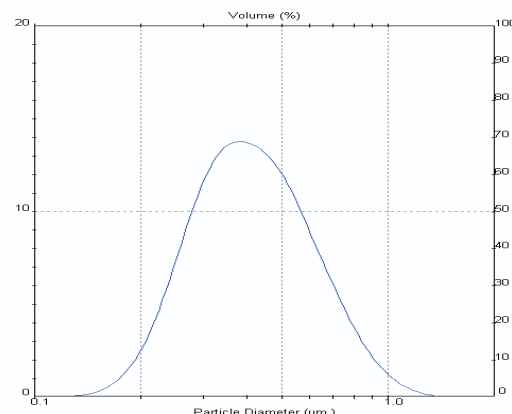
PACKAGING
- 25kg LDPE Bags with inside liner
- Different types of packaging are available on request

APPLICATION & ADVANTAGES
HISORB 1 acts as an excellent stabilizer for PVC and other resins
<ul style="list-style-type: none"> ● High Heat Stability ● Safe (Approved for food contact) ● Polymer yellowing is suppressed ● No stearic vapour problem ● Reduction of water carry -over ● High anti-corrosivity ● Negligible impact on mechanical strength ● Sulphide free ● Very good Heat stability in combination with Zn-St. ● Very good Heat stability in combination with Tin-mercpto ● Suitable for Rigid and flexible

ELECTRON MICROGRAPH



PARTICLE SIZE DISTRIBUTION



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