

Technical Data Sheet Calcium Carbonate

Trade Name: Calcium Carbonate
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SECTION 1 Chemical Analysis

Fine carboniferous limestone granules having an off white colour. The product is crushed and screened several times, then air classified to produce a material of high purity with a controlled level of fines. It is dried to give a very low moisture content.

Chemical Analysis	Chemical Formula	Typical Content %
Calcium Carbonate	as CaCO_2	99.2
Magnesium	as MgO	0.20
Iron	as Fe_2O_3	0.03
Aluminium	as Al_2O_3	0.04
Silica	as SiO_2	0.20
Moisture	as H_2O	0.05

SECTION 2 Physical Properties

Shape	Semi- angular
Colour	Off-white
Specific Gravity	2.7 -2.9 g/cc
Bulk Density	0.53 g/cc
Hardness	3 moh
Solubility	Low
Melting Point	CO_2 is evolved at temperatures above 400°C
Packaging	25kg

SECTION 3

Particle Size Distribution

Grade	Fine	Medium	Coarse	Extra Coarse
B.S. Sieve	% passing	% passing	% passing	% passing
3.35 mm				100
1.70 mm				97
1.18 mm		100	100	80
600 microns			70	4
300 microns	100	90	5	0.7
150 microns	65	50	1	

SECTION 4

Compliance

This product is exempt from registration under REACH regulations. See SDS 42A on our web site.

Special Precautions -In use, protection is required to meet threshold limit values for general dusts of 10 mg/m³ (for total inhalable dust) and 5 mg/m³ (respirable dust). The user must establish any hazards present in the surface coatings being removed, which may reduce the occupational exposure standard (O.E.S.).

SECTION 5

Disposal

The abrasive must be disposed of in accordance with national legislation (See Section 16) and local regulations. The material as supplied is classed as a non-hazardous inert solid waste. Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16). The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

SECTION 6

Handling and Storage

Load per pallet should not exceed 2 tonnes and the pallets should not be stacked more than two high. Material should be kept dry.