

## Mineral Fact Sheet

<b>Dicalcium phosphate anhydrous</b>	
<b>Formula:</b>	CaHPO <sub>4</sub>
<b>CAS No.:</b>	7757-93-9
<b>EC No.:</b>	231-826-1
<b>Feed Materials Catalogue:</b>	11.3.1
<b>Manufacturing Process:</b>	
<p>The most commonly used process to produce dicalcium phosphate anhydrous is by reacting purified feed grade phosphoric acid with quick lime or chalk. Other special production processes can also be used. Depending on the process, the reaction time and the raw materials used, the Ca:P ratio will vary. DCP-anhydrous can also be obtained by dehydration of DCP dihydrate.</p>	
<b>Characteristics:</b>	
Total phosphorus	18 – 20,5 %
Soluble phosphorus	95 % in 2% citric acid 95 % in alkaline ammonium citrate
Calcium	25 – 27 %
Ca : P ratio	1.2 – 1.3 : 1
pH (1% solution)	4.5 - 6
Ash insoluble in HCl	0.3 – 0.4 %
Moisture	1 - 2 %
Appearance	white powder
Apparent density	0.6 - 1 kg/l loose 1.1 - 1.2 kg/l tapped
<b>Handling, storage, toxicity:</b>	
<p>avoid dust formation no special storage precautions non toxic</p>	
<b>Specific information:</b>	
<p>Chemically neutral or weakly acid, free flowing, non hygroscopic, high concentration of elements</p>	