

<b>CALCIUM SILICATE</b>	<b>Technical Datasheet</b>
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Chemical Name	CALCIUM SILICATE		
Grade Name	CALCIUM SILICATE		
CAS No.	1344-95-2		
HS Code	28530099		
EINECS No.	235-336-9		
Molecular Formula	Ca <sub>2</sub> SiO <sub>4</sub>		
Synonyms	<ul style="list-style-type: none"> <li>• Belite</li> <li>• Silene</li> </ul>		
<b>TEST</b>	<b>SPECIFICATION</b>	<b>METHOD</b>	
Appearance	White crystals	Visual	
Density ( gm/ cm <sup>3</sup> )	2.9	Pycnometer	
Melting Range (Degrees C)	1540	Melting Point Apparatus (Open Capillary Tube Method)	
pH	9-10.5	pH meter	

**Product Information:**

- Calcium silicate is used as an anticaking agent in food preparation, including table salt and as an antacid.
- Calcium silicate is commonly used as a safe alternative to asbestos for high-temperature insulation materials. Industrial-grade piping and equipment insulation is often fabricated from calcium silicate.
- It is used in passive fire protection and fireproofing as calcium silicate brick or in roof tiles.
- It is used as a sealant in roads or on the shells of fresh eggs.
- It also occurs in cements, where it is known as belite or in cement chemist notation C<sub>2</sub>S.
- Calcium silicate is often used in agriculture as a plant available source of silicon.

**Product Handling & safety:**

Please refer to our product MSDS for specific instructions on handling this product.

**Product Registration:** Calcium Silicate is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - FOOD AND DRUGS  
 Chapter: I - FOOD AND DRUG ADMINISTRATION DEPARTMENT OF HEALTH AND HUMAN SERVICES  
 Subchapter: B - FOOD FOR HUMAN CONSUMPTION (CONTINUED)  
 Part: 182 - SUBSTANCES GENERALLY RECOGNIZED AS SAFE  
 Subpart: C - Anticaking Agents  
 Section: 182.2227 - Calcium silicate.

**Product Disclaimer**

**Important :** This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contact rising in connection with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or for use for which implantation within human body is intended.