

**CALCIUM SILICATE (non-fibrous, <1% crystalline silica)****1401**

October 2001

CAS No: 1344-95-2  
RTECS No: VV9150000Calcium silicate  
Calcium silicate synthetic  
CaO.SiO<sub>2</sub>  
Molecular mass: 116.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Not combustible.		In case of fire in the surroundings: use appropriate extinguishing media.
<b>EXPLOSION</b>			

EXPOSURE		PREVENT DISPERSION OF DUST!	
<b>Inhalation</b>	Cough. Sore throat.	Local exhaust.	
<b>Skin</b>		Protective gloves.	
<b>Eyes</b>	Redness. Pain.	Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>			

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into containers. Wash away remainder with plenty of water. Personal protection: P2 filter respirator for harmful particles.	

EMERGENCY RESPONSE	SAFE STORAGE

1401

**CALCIUM SILICATE (non-fibrous, <1% crystalline silica)****IMPORTANT DATA****Physical State; Appearance**

WHITE POWDER

**Occupational exposure limits**TLV: (particulate matter containing no asbestos and <1 % crystalline silica) 10 mg/m<sup>3</sup> as TWA; A4 (not classifiable as a human carcinogen); (ACGIH 2004).

MAK not established.

**Routes of exposure**

The substance can be absorbed into the body by inhalation.

**Inhalation risk**

A nuisance-causing concentration of airborne particles can be reached quickly when dispersed.

**Effects of short-term exposure**

May cause mechanical irritation to the eyes and the respiratory tract.

**PHYSICAL PROPERTIES**

Melting point: 1540/C

Density: 2 g/cm<sup>3</sup>

Solubility in water: poor

**ENVIRONMENTAL DATA****NOTES**

Card has been partly updated in April 2005. See section Occupational Exposure Limits.

**ADDITIONAL INFORMATION****LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible