

**SASFORREACH Consortium**  
**Information Letter 1**  
**Aluminatesilicate (AS1)**  
**Substance Identification & Sameness**

Dear SIEF member

In this letter the Consortium would like to inform you in detail about the Substance Identification & Sameness for

**Aluminatesilicate (AS1), EC # 215-475-1, CAS # 1327-36-2**

**Substance Name:**

- **Aluminatesilicate**

Aluminatesilicate (CAS 1327-36-2) is a UVCB substance, thereof the Silica content is 80-99w% and the Aluminium oxide content is 0.5-20 w%. Other constituents are Disodium oxide (CAS 1313-59-3) with a content of 0.01 –1.5% and carbon (CAS 7440-44-0) with a content of 0.01 –0.3 %.

**Identification:**

**Aluminatesilicate (AS1)** is predominantly characterised through the following methods of identification in IUCLID 5:

- Amorphous structure: X-ray diffraction (XRD)  
X-ray diffraction diagrams of AS using CuK $\alpha$  radiation with  $\lambda = 0.1542$  nm, show only a broad halo, revealing an X-ray amorphous structure. The detection limit for crystallinity by X-ray is in the order of 0.3% by weight.
- Infrared spectroscopy (IR)
- nuclear magnetic resonance spectroscopy (NMR)

With kind regards

SASFORREACH Consortium representing Aluminatesilicate

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SASFORREACH Consortium Member Companies  
Albemarle Europe, Merck Performance Materials SAS, BASF SE, Cabot Corp., Evonik Resource Efficiency GmbH, Grace GmbH, IQESIL S.A., PPG Industries Chemicals, PQ Corporation, Solvay S.A., Clariant Produkte (Deutschland) GmbH, Wacker Chemie AG, Zeochem AG