



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Sericite**

### 1. Identification of the substance/mixture and company

Trade name:	Sericite
	Aluminum potassium silicate
Chemical formula:	AlKO <sub>6</sub> Si <sub>2</sub>
INCI	Mica
CAS No. :	12001-26-2
EINECS/EC No. :	310-127-6
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	<b>Elemental SRL</b> , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

### 2. Hazards Identification

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### 2.1 Classification of the substance or mixture

Adverse physicochemical, human health and environmental effects: No other hazards

#### 2.2 Label elements

**Special provisions according to Annex XVII of REACH and subsequent amendments:**

None

#### 2.3 Other hazards

Other Hazards: No other hazards

#### **Hazards not otherwise classified identified during the classification process**

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### **Ingredient(s) with unknown acute toxicity:**

None

No PBT Ingredients are present

### 3. Declaration of ingredients

#### 3.1. Composition/information on ingredients

##### Substances

Chemical characterisation: MICA

CAS number: 12001-26-2

EC number: 310-127-6

Registration Number Exempted, annex V,7



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**3.2 Mixtures**

Not Available

**4. First aid measures**

**4.1 Description of first aid measures**

**In case of skin contact:** Wash with plenty of water and disinfectant/non-abrasive soap.

**In case of eye contact:** Wash immediately with water.

**In case of ingestion:** Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

**In case of inhalation:** Remove casualty to fresh air and keep warm and at rest.

**4.2 Most important symptoms and effects, both acute and delayed**

Not Available

**5. Fire fighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media: Water, CO<sub>2</sub>, foam, chemical powders, according to the materials involved in the fire.

In case of fire, use foam, dry chemical, CO<sub>2</sub>.

Unsuitable extinguishing media: None in particular.

**5.2 Special hazards arising from the substance or mixture**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

**5.3 Advice for fire-fighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

**6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

**6.2 Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose of it following local legislation.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities if required.

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).



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**6.3 Methods and material for containment and cleaning up**

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).  
Wash with plenty of water.

**6.4 Reference to other sections**

See also section 8 and 13.

**7. Handling and storage**

**7.1 Precautions for safe handling:**

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a tightly closed container in a cool, dry, well-ventilated area.  
Incompatible materials: None in particular.  
Instructions as regards storage premises: Adequately ventilated premises.

**7.3 Specific end use(s)**

Recommendation(s)  
Storage temperature < 25°C  
Industrial sector specific solutions: None in particular.

**8. Exposure controls / personal protection**

**8.1 Control parameters**

OEL Type	Country	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm	Notes
ACGIH		3				pneumoconiosis;
NATIONAL	Spain	3				
NATIONAL	Portugal	3				
NATIONAL	Belgium	3				
NATIONAL	Czech Republic	2.0				
NATIONAL	Russian Federation	2		6		
NATIONAL	United Kingdom	10		30		
NATIONAL	United Kingdom	10		2.4		
NATIONAL	United Kingdom	0.8		30		

**8.2 Exposure controls**

Eye/face protection:



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Eye glasses with side protection.  
Skin protection: Chemical protection clothing.  
Hand protection: NBR (nitrile rubber).  
Respiratory protection: Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures  
Not Available

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State Solid  
Appearance: Powder, White  
Odour: Odorless  
Odour threshold: Not Available  
pH: 8.50  
Melting point/ range: 1500 °C (2732 °F)  
Boiling point/ range: Not Available  
Flash point: Not Applicable  
Evaporation rate: Not Available  
Upper/lower flammability or explosive limits: 600.00 °C  
Vapour density: Not Available  
Vapour pressure (20°C): Not Available  
Density (20°C): Not Available  
Water solubility: Insoluble  
Lipid solubility: Insoluble  
Partition coefficient (n-octanol/water): Not Available  
Auto-ignition temperature: Not Available  
Decomposition temperature: Not Available  
Viscosity (20°C): Not Available  
Explosive properties: STO  
Oxidising properties: Not Available  
Flammability (Solid, Gas): Not Available  
Volatile Organic compounds - VOCs = Not Available

### 9.2 Other information

Substance group relevant properties: Not Available  
Miscibility: Not Available  
Conductivity: Not Available

## 10. Stability and reactivity

### 10.1 Reactivity

Data not Available.

### 10.2 Chemical stability



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Data not Available.

**10.3 Possibility of hazardous reactions**

Burning produces carbon monoxide and/or carbon dioxide.

**10.4 Conditions to avoid**

Data not Available.

**10.5 Incompatible materials**

Data not Available.

**10.6 Hazardous decomposition products**

Data not Available.

**11. Toxicological information**

**11.1 Information on toxicological effects**

Toxicological Information: According to data published in literature

**Toxicological Information of the Substance**

MICA	a) acute toxicity	LD50 Oral Rat	> 2000.0000mg/kg
	b) skin corrosion/irritation	Skin Irritant	No Irritant effect
	c) serious eye damage/irritation	Eye Irritant	No Irritant effect

**If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.**

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

**12. Ecological information**

**12.1 Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-toxicity:

**List of Eco-Toxicological properties of the product**

No Data Available



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**12.2 Persistence and degradability**

Not Available

**12.3 Bioaccumulative potential**

Not Available

**12.4 Mobility in soil**

Not Available

**12.5 Results of PBT and vPvB assessment**

No PBT Ingredients are present

**12.6 Other adverse effects**

Not Available

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**13. Disposal considerations**

**13.1 Waste treatment methods**

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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**14. Transport information**

**14.1 UN number**

N/A

**14.2 UN proper shipping name**

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

**14.3 Transport hazard class(es)**

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

**14.4 Packing Group**

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

**14.5 Environmental hazards**

Toxic Ingredients Qty: 0.00

High Toxicity Ingredients Qty: 0.00

Marine pollutant: No

Environmental Pollutant: No



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**14.6 Special Precautions for User**

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR-Upper number: N/A

ADR-Special Provisions: N/A

ADR-Tunnel Restriction Code: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Sub Risk: N/A

IATA-Erg: N/A

IATA-Special Provisioning: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Sub Risk: N/A

IMDG-Special Provisioning: N/A

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: N/A

IMDG-MFAG: N/A

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not Available

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**15. Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 453/2010 (Annex II)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: None



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Restrictions related to the substances contained: None  
Provisions related to directive EU 2012/18 (Seveso III):  
German Water Hazard Class.  
SVHC Substances: Not Available

**15.2 Chemical Safety Assessment**

Chemical Safety Assessment: No  
Not Available  
No Data Available

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**16. Additional information**

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities. SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

**16.1 Abbreviations**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
LTE: Long-term exposure.  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STE: Short-term exposure.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.

**Disclaimer:**

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.