

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
Chemical formula: AlKO_6Si_2
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: Elemental SRL, 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, CO₂, foam, chemical powders, according to the materials involved in the fire.

In case of fire, use foam, dry chemical, CO₂.

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.

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

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 ³	Long Term ppm	Short Term mg/m ³	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:

Eye glasses with side protection.

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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: ST0
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	> 2000.00000mg/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

13. Disposal considerations

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

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

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Environmental Pollutant: No

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

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)

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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

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

16. Additional information

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.