



## Safety data sheet

Safety data sheet according to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006

### Mica based lightweight sandwich panel (FireAway™)

Date of issue/Date of revision

- /01.06.2021

Version 0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

###### MICA BASED LIGHTWEIGHT PANEL

The product is considered as an article (in accordance with the definition in Article No. 3, paragraph No. 3 of the EU Decree 1907/2006 REACH and on the basis of the decision procedures according to the Instructions regarding requirements for substances in articles issued by the European Chemical Agency in April 2011). We provide the Safety Data Sheet voluntarily, because we consider it important to hand over enough information to our customers, which is necessary for health and environmental protection

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses  
Uses advised against

Mica based insulating material.  
Not known

##### 1.3 Details of the supplier of the safety data sheet

Manufacturer

Cogebi sa  
Huysmanslaan 65, 1651 LOT (Beersel)  
Belgium

Telephone

+32.2.334.91.11

Email address of the competent person

[voigt@cogebi.com](mailto:voigt@cogebi.com)

##### 1.4 Emergency telephone number

Cogebi a.s.

+420 381 493 221 (normal working hours)



**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**GHS Classification** H319: Serious eye damage/irritation Category 2  
H315: Skin corrosion/irritation Category 2  
H335: STOT -single exposure Category 3

**Hazards summary** Alkaline  
Irritating to eyes, respiratory system and skin

**2.2 Label elements**

**Hazard pictogram(s)**



**Signal word(s)** Warning

**Hazard statement(s)** H319: Causes serious eye irritation  
H315: Causes skin irritation  
H335: May cause respiratory irritation

**Precautionary statement(s)** P261: Avoid breathing dust  
P262: Do not get in eyes, on skin, or on clothing  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**2.3 Other hazards**

The article is not classified as PBT or vPvB by the date of the Safety Data Sheet issue; the components are not stated either in Annex XIV of the REACH Decree or in the candidate sheet for Annex XIV of the REACH



**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

**3.2.2 Hazardous ingredients**

Ingredient(s)	%W/W	CAS No.	EINECS No. / REACH Registration	Hazard symbol(s) and hazard statement(s)
Silicic acid, sodium salt (MR>3.2)	20 - 30	1344-09-8	215-687-4 01-2119448725-31	H319: Eye Irrit. 2 H315: Skin Irrit. 2 H335: STOT SE 3

**SECTION 4 First aid measures**

**4.1 Description of first aid measures**

Eye contact	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention
Skin contact	Wash affected skin with plenty of water. If symptoms develop, obtain medical attention
Inhalation	Remove patient from exposure, keep warm and at rest. Obtain medical attention
Ingestion	Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half of a pint) of water to drink. Obtain medical attention

**4.2 Most important symptoms and effects, both acute and delayed** Alkaline. Irritating to eyes, respiratory system and skin. The toxicity of sodium silicate is dependent on the silica to alkali ratio and on the pH

**4.3 Indication of any immediate medical attention and special treatment needed** Obtain immediate medical attention

**SECTION 5: Firefighting measures**

The material flammability is limited; it is flammable in case of fire of the surroundings approx. 3% of the organic part will burn



- 5.1**      **Extinguishing media**  
Suitable extinguishing media      Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Alcohol resistant foams (ATC type) are preferred  
Unsuitable extinguishing media      None

- 5.2**      **Special hazards arising from the substance or mixture**  
During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: carbon monoxide, carbon dioxide etc.

- 5.3**      **Advice for firefighters**  
Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing

**SECTION 6**      **Accidental release measures**

- 6.1**      **Personal precautions, protective equipment and emergency procedures**  
Wear suitable protective clothing. Wear eye/face protection. An approved dust mask should be worn if dust is generated during handling. See section: 8.2

- 6.2**      **Environmental precautions**  
Do not allow to enter drains, sewers or watercourses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation

- 6.3**      **Methods and material for containment and cleaning up**  
Removed mechanically.  
Avoid generation of dust. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal

- 6.4**      **Reference to other sections**  
Disposed of in accordance with section 8 and 13

**SECTION 7:**      **Handling and storage**

- 7.1**      **Precautions for safe handling**  
Avoid contact with eyes and skin.  
Avoid generation of dust.  
Emergency shower and eye wash facilities should be readily available. See also section 8.  
Use gloves and regular work clothes

- 7.2**      **Conditions for safe storage, including any incompatibilities**  
Store in a cool, dry place in their original containers. Store away from sources of ignition. Keep out of the reach of children

- 7.3**      **Specific end use(s)**  
No information available



**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Local exhaust ventilation or other technical measure to keep the concentration of dust in the air below the exposure limits. Wash hands before breaks and after finishing work. Do not eat, drink or smoke. Avoid contact with food, animal feed and beverages

SUBSTANCE	Occupational Exposure Limits
Silicic acid, sodium salt	No Occupational Exposure Limit assigned. An exposure limit of 2 mg/m <sup>3</sup> (15 min TWA) is recommended by analogy with sodium hydroxide (UK EH40)

**DNEL** Data not available

**PNEC** Data not available

**8.2 Exposure controls**

Use sufficient local ventilation of the workplace in order to keep the concentration of dust under the exposure limits.

The person responsible for work safety and health protection will determine a monitoring procedure for the substance content monitoring in the workplace environment and the personal protection equipment specifications.

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure.

Individual protection measures, such as personal protective equipment  
Sufficient local ventilation at the workplace, usage of the required protection equipment.

**Respiratory protection**

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

Avoid inhalation of dusts. Dust mask: FFP2 (EN 149)

**Eye/face protection:** Chemical goggles (EN 166)

**Hand protection** During working wear suitable gloves

**Skin protection** Wear suitable work clothes

**Environmental exposure controls**

The primary hazard of the sodium silicate is the alkalinity. Avoid generation of dust. Avoid release to the environment



**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance	Solid
Odour	Odourless
Odour threshold	Not applicable
pH	Alkaline
Melting point/freezing point (20°C)	Not applicable
Initial boiling point and boiling range (°C)	Not applicable
Flash point (°C)	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	
Lower (% obj.)	Not applicable
Upper (% obj.)	Not applicable
Vapour pressure	Not applicable
Vapor density	Not applicable
Relative density (20°C)	0.4 – 0.6 g/cm <sup>3</sup>
Solubility in water	Slightly soluble
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not self-igniting
Decomposition temperature (°C)	Not applicable
Viscosity (20°C)	Not applicable
Explosive properties	The article is not explosive
Oxidizing properties	The article has no oxidizing properties

**9.2 Other information**  
Not known

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**  
See section 10.3

**10.2 Chemical stability**  
The article is stable

**10.3 Possibility of hazardous reactions**  
When arc welding vessels containing aqueous solutions of this material, take care to control any explosion risk from hydrogen evolved by electrolysis. Aqueous solutions will react with aluminium, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. The core foam can react violently if in contact with acids

**10.4 Conditions to avoid**  
See section 10.3

**10.5 Incompatible materials**  
See section 10.3



**10.6 Hazardous decomposition products**  
Thermal decomposition may produce oxides of carbon

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**a) Acute toxicity**

All symptoms of acute toxicity are due to high alkalinity. Material will cause irritation

**b) Skin corrosion/irritation**

Foam in the core can cause skin irritation

**c) Serious eye damage/irritation**

Foam in the core can cause eye irritation

**d) Respiratory or skin sensitisation**

Based on available data, not sensitizing

**e) Germ cell mutagenicity**

Based on available data, no evidence of genotoxicity

**f) Carcinogenicity**

Based on available data, no structural alerts

**g) Reproductive toxicity**

Based on available data, no evidence of reproductive toxicity or development toxicity

**h) STOT-single exposure**

The dust is irritating to respiratory system

**i) STOT-repeated exposure**

Based on available data, the classification criteria are not met

**j) Aspiration hazard**

Based on available data, the classification criteria are not met

**SECTION 12: Ecological information**

**12.1 Toxicity**

Data not available

**12.2 Persistence and degradability**

Short-term degradation products are not likely.

Upon dilution, soluble silicates rapidly depolymerize into molecular species indistinguishable from natural dissolved silica

**12.3 Bioaccumulative potential**

Data not available

**12.4 Mobility in soil**

Data not available



**12.5 Results of PBT and vPvB assessment**  
The article is not considered to be persistent, bioaccumulating and toxic (PBT)

**12.6 Other adverse effects**  
The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**a) Specify waste treatment**

Hand over the marked waste, including the waste identification sheet, to the contractual company authorized for the waste disposal according to the Waste Code.

Any disposal practices must be in compliance with all national and provincial laws

**b) Specify the physical/chemical properties that may affect waste treatment options**

Alkalinity of the foam in the core

**c) Discourage sewage disposal**

Do not dump into any sewers, on the ground, or into any body of water.

The article has a character of solid matter. Do not discard into the sewerage system

**d) Special precautions for waste treatment**

Discharge of this product is dependent on local regulations with regard to pH controls

**SECTION 14: Transport information**

**14.1 UN number**  
Not applicable

<b>14.2 UN proper shipping name</b>	
ARD/RID	Without limits
IMDG	Without limits
ICAO/IATA	Without limits

**14.3 Transport hazard class(es)**  
Not classified as dangerous good.

**14.4 Packing group**  
Not applicable





**14.5** Environmental hazards  
The article is not classified as goods dangerous for the environment during the transport

**14.6** Special precautions for user  
Not known

**14.7** Transport in bulk according to Annex II of Marpol and the IBC Code  
Not applicable

**SECTION 15: Regulatory information**

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

Regulation (EC) No. 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)  
Regulation (EU) 830/2015

**15.2** Chemical safety assessment  
A Chemical Safety Assessment has not been carried



**SECTION 16: Other information**

**16.1 Changes made in the safety data sheet in the revision**

Version 0	Date	01.06.2021	Changes	draft version of product in development
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**16.2 Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent Bioaccumulative and Toxic
vPvb	Very Persistent, Very Bioaccumulative

**16.3 Information Source and References**

Information on this document is based on our best knowledge and current legislation. The Safety Data Sheet has been prepared on the basis of the original Safety Data Sheet provided by the manufacturer

**16.4 Full text of abbreviated H and P statements**

None

**16.5 Instructions for training**

Ordinary training for chemicals handling

**16.6 Other information**

Information in this document is accurate according to our knowledge. All materials can bring an unknown risk and they should be used with extreme caution. Although certain risk is described in this Safety Data Sheet, we cannot guarantee that this is the only existing risk