

CALCON BOARD 900, 1000, 1100

1. IDENTIFICATION OF THE PRODUCTS AND OF THE COMPANY

Identification of the products

Product name: Calcon 900 SC, Calcon 1000 SC, Calcon 1100 SC.

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

No further relevant information available.

Application of the substance / the preparation

Mineral thermal insulation panels.

Identification of the company

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void

Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: Mixtures

Description: Insulating Material

Dangerous components: Void

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Other components			
CAS	: 1344-95-2	Calciumsilicate	50 – 100 %
EINECS	: 215-710-8		
CAS	: 9004-34-6	Cellulose	3 - < 10 %
EINECS	: 232-674-9		

4. FIRST AID MEASURES

Description of first aid measures

General information: Remove contaminated clothing.

After inhalation: Supply fresh air; consult doctor in case of symptoms.

After skin contact:

Wash with soap and water.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

symptomatic treatment

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture

Can be released in case of fire:

Carbon monoxide (CO) and Carbon dioxide (CO₂)

Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid causing dust.

Do not breathe dust.

Avoid contact with eyes.

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Environmental precautions:

Damp down dust with water spray jet.
Do not allow to enter drainage system, surface or ground water.
Keep dirty washing water for appropriate disposal.

Methods and material for containment and cleaning up:

Ensure adequate ventilation.
Collect mechanically.
Dispose of the material collected according to regulations.

Reference to other sections

See Section 8 for information on personal protection equipment.

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Any deposit of dust which cannot be avoided must be removed regularly.
Provide suction extractors if dust is formed.
Do not breathe dust.
Make sure that all applicable workplace limits are observed.
Avoid contact with eyes.
Avoid prolonged or repeated skin contact.

Information about protection against explosions and fires: The product is not flammable.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Observe all local and national regulations for storage of water polluting products.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store under dry conditions.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with critical values that require monitoring at the workplace:

Observe all workplace limits for dust.

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1344-95-2 Calsiumsilicate	
WEL (Great Britain)	Long-term value: 10*4** mg/m ³ inhalable dust**respirable
9004-34-6 Cellulose	
WEL (Great Britain)	Short-term value: 20* mg/m ³ Long-term value: 10*4** mg/m ³ *inhalable dust**respirable

Additional information: The lists that were valid during the compilation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Do not eat, drink or smoke while working.

Do not breathe dust.

Do not wear contact lenses during work.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Wash hands during breaks and at the end of the work.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Breathing equipment: Use breathing protection in case of dust formation.

Recommended filter device for short term use: Filter P2

Protection of hands:

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Material of gloves

cotton / natural rubber

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection:

Protective work clothing

Body protection must be chosen depending on activity and possible exposure.

Limitation and supervision of exposure into the environment

Do not allow to enter drainage system, surface or ground water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

Form:	solid planes
Colour:	light grey
Smell:	odourless
Odour threshold:	not applicable
pH-value (100 g/l) at 20 °C:	9 - 11 (susp.)
Change in condition	
Melting point/Melting range:	1500 °C
Boiling point/Boiling range:	not applicable
Flash point:	not applicable
Inflammability (solid, gaseous)	not applicable
Ignition temperature:	not applicable
Decomposition temperature:	not determined
Self-inflammability:	Product is not selfigniting.
Danger of explosion:	Product is not explosive.
Critical values for explosion:	
Lower:	not applicable
Upper:	not applicable
Oxidising properties	not applicable
Vapor pressure:	none
Density at 20 °C:	150 - 550 kg/m ³
Bulk density:	not applicable
Relative density	not determined
Vapour density (AIR = 1):	not applicable
Evaporation rate	not applicable
Solubility in / Miscibility with water:	insoluble
Partition coefficient (n-octanol/ water):	not determined
Viscosity:	
dynamic:	not applicable
kinematic:	not applicable

Other information

No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity see 10.3

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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Possibility of hazardous reactions No dangerous reactions known.

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Conditions to avoid No further relevant information available.

Incompatible materials:

Acids

Alkaline materials

Hazardous decomposition products: Carbon monoxide (CO) and Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification: no data available

Primary irritant effect:

on the skin: Fine dust may cause mechanical irritation.

on the eye: Fine dust may cause mechanical irritation.

Sensitisation: No sensitizing effect known.

Subacute to chronic toxicity:

Repeated or prolonged exposure to dusts may result in deposition of dust particles in the lungs.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

According to present knowledge no CMR-effects known.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability

Anorganic product, is not eliminable from water by means of biological cleaning processes.

Bioaccumulative potential Not bioaccumulative

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

There are no quantitative data on the ecological effects of this product available to us.

Water hazard class 1 (Self-assessment): slightly hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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Other adverse effects

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation Disposal must be made according to official regulations.

European waste catalogue:

Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN-Number

ADR, IMDG, IATA Void

UN proper shipping name

ADR, IMDG, IATA Void

Transport hazard class(es)

ADR, IMDG, IATA
Class Void

Packing group

ADR, IMDG, IATA Void

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.

UN "Model Regulation": -

15. REGULATORY INFORMATION

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

National regulations

Decree to be applied in case of technical fault: Directive 96/82/EC does not apply.

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.