


Page 1 / 6	SAFETY DATA SHEET by regulation (EC) No 1907/2006 REACH CETRIS cement-bonded chipboards	Date of issue: 20.02.2006 Revision date: 20.01.2022 Version: 1
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier
	Name: CETRIS cement-bonded chipboards
	Identification number: not applicable
	Registration number: not applicable
1.2	Relevant identified uses of the substance or mixture and uses advised against
	Identified uses: cement-bonded chipboards
	Uses advised against: not specified
1.3	Details of the supplier of the safety data sheet
	Supplier: CIDEM Hranice, a.s., divize CETRIS
	Address: Nová ulice 223, 753 40 Hranice, Czech Republic
	Telephone: +420 581 676 393
	Email: cidem@cidem.cz
	Responsible person: ENVI GROUP s.r.o., Příčná 2186, 347 01 Tachov, tel.: +420 373 721 316, email: info@envigroup.cz
1.4	Emergency telephone number
	Call your national emergency center. Universal emergency telephone number EU: 112

SECTION 2: Hazards identification

2.1	Classification of the substance or mixture
	The product is not dangerous in the form in which it is supplied by the manufacturer. In the production of cement-bonded particleboard (mixing of loose additives and water, pressing of boards, hardening and drying) the irritating effects of individual components are eliminated and the resulting product has no adverse effects on human health. Subsequent processing of cement-bonded particleboard (eg cutting, grinding) generates dust, which can have irritating and sensitizing effects as described below:
	Classification 1272/2008 CLP:
	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318 STOT SE 3, H335
	Hazardous health effects: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.
	Dangerous effects on the environment: Not classified.
	Hazardous physicochemical effects: Not classified.
2.2	Label elements
	Contains: Portland cement
	Hazard pictogram: 
	Signal word: Danger
	Hazard statement: H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.
	Precautionary statements: P280 Wear protective gloves/protective clothing/eye protection. P261 Avoid breathing dust. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P314 Get medical advice/attention if you feel unwell.

SAFETY DATA SHEET by regulation (EC) No 1907/2006 REACH CETRIS cement-bonded chipboards	Date of issue: 20.02.2006 Revision date: 20.01.2022 Version: 1
Page 2 / 6	

2.3	Other hazards Product components are not assessed as PBT or vPvB.
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SECTION 3: Composition/information on ingredients

3.1	Substances Not applicable
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3.2	Mixtures
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Substance identifier	CAS number EC number Index number Registration number	Concentration (%)	Classification 1272/2008 CLP
Portland cement	65997-15-1 266-043-4 - -	49,7	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318 STOT SE 3, H335
Silicic acid, sodium salt	1344-09-8 215-687-4 - -	1,7	Skin Irrit. 2, H315 Eye Dam. 1, H318
Aluminium sulfate octadecahydrate	7784-31-8 616-524-3 - -	0,7	Eye Dam. 1, H318

Other components: chipboard 18.1%, water 29.7%

The full text for all H statements is given in Chapter 16.

SECTION 4: First aid measures

4.1	Description of first aid measures These instructions apply to cases of exposure to dust generated during board processing. If you do not feel well after exposure or if the problem persists, seek medical attention.
	Inhalation: Remove victim to fresh air. Seek medical attention if problems occur.
	Skin contact: Wash affected skin thoroughly with soap and water.
	Eye contact: Rinse open eyes thoroughly with water. If the affected person has contact lenses, remove them immediately. If the problem persists, consult a specialist.
	Ingestion: It is not considered a possible route of exposure.

4.2	Most important symptoms and effects, both acute and delayed Information is not available.
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4.3	Indication of any immediate medical attention and special treatment needed Special funds are not intended. Treatment is symptomatic.
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SECTION 5: Firefighting measures

5.1	Extinguishing media
	Suitable extinguishing media: The product is not flammable. Adapt the extinguishing agents to the surrounding conditions
	Unsuitable extinguishing media: Do not use strong water jets. Using a high-power current can spread a fire.

5.2	Special hazards arising from the substance or mixture In case of fire, hazardous combustion products may be formed: Carbon oxides (CO, CO ₂) and other hazardous gases.
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5.3	Advice for firefighters Full protective equipment for firefighters.
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SECTION 6: Accidental release measures

6.1	Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid breathing dust. Use personal protective equipment.
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6.2	Environmental precautions No special measures required.
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SAFETY DATA SHEET by regulation (EC) No 1907/2006 REACH CETRIS cement-bonded chipboards	Date of issue: 20.02.2006 Revision date: 20.01.2022 Version: 1
Page 3 / 6	

6.3 Methods and material for containment and cleaning up
 If the product is not mechanically or otherwise damaged, it can be reused. Collect contaminated products or product residues and store in waste collection containers. Dispose of in accordance with local regulations.

6.4 Reference to other sections
 Section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
 Use personal protective equipment when working on cement-bonded particleboard, such as cutting, drilling, milling and grinding, see 8. Ensure adequate ventilation. Handle the boards in a vertical position. Follow the rules of occupational hygiene, wash your hands and face after work.

7.2 Conditions for safe storage, including any incompatibilities
 Store in a covered, dry place so that the boards do not get wet.

7.3 Specific end use(s)
 Information not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
 Occupational exposure limits (EU) - no available data.
 DNEL, PNEC - values not available

8.2 Exposure controls
 Ensure adequate ventilation when machining cement-bonded particleboard, such as cutting, drilling, milling and grinding. Ensure that persons using personal protective equipment work with the product. Wash hands and face thoroughly with soap and water after work. Do not eat, drink or smoke while working. The monitoring procedure for the content of substances in the workplace air and the specification of protective equipment are determined by the worker responsible for occupational safety and health protection.

Individual protection measures, such as personal protective equipment

Respiratory protection: Not necessary if there is sufficient ventilation.

Eye protection: Wear safety goggles when working on cement-bonded particleboards.

Hand protection: Wear protective work gloves.

Skin protection: Protective work clothing.

Environmental exposure controls
 Information is not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Solid

Color: According to the shade

Odour: Information is not available

pH: Information is not available

Melting point (°C): Information is not available

Boiling point (°C): Information is not available

Flash point (°C): Information is not available

Flammability: Non-flammable

Limits of explosiveness or flammability: upper: Information is not available

lower: Information is not available

Vapour pressure: Information is not available

Vapour density: Information is not available

Density: Information is not available

Solubility in water: Information is not available

N-octanol/water division ratio: Information is not available

Autoignition point: Information is not available

Breakdown point: Information is not available

Particle characteristics: Information is not available

9.2 Other information

Humidity (weight%): 9 +/- 4

SAFETY DATA SHEET by regulation (EC) No 1907/2006 REACH CETRIS cement-bonded chipboards	Date of issue: 20.02.2006 Revision date: 20.01.2022 Version: 1
Page 4 / 6	

SECTION 10: Stability and reactivity

10.1	Reactivity The product is not reactive under normal conditions.
10.2	Chemical stability The product is stable under normal conditions.
10.3	Possibility of hazardous reactions Not expected.
10.4	Conditions to avoid Avoid getting the product wet
10.5	Incompatible materials Information is not available
10.6	Hazardous decomposition products Information is not available

SECTION 11: Toxicological information

11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008
	<p>a) Acute toxicity Based on available data, the classification criteria are not met. Aluminium sulfate: LD50, oral, 6200 mg/kg, rat Silicic acid, sodium salt: oral, 3400 mg/kg, rat</p> <p>b) Skin corrosion/irritation Causes skin irritation.</p> <p>c) Serious eye damage/irritation Causes serious eye damage.</p> <p>d) Respiratory or skin sensitisation May cause an allergic skin reaction.</p> <p>e) Germ cell mutagenicity Based on available data, the classification criteria are not met.</p> <p>f) Carcinogenicity Based on available data, the classification criteria are not met.</p> <p>g) Reproductive toxicity Based on available data, the classification criteria are not met.</p> <p>h) STOT-single exposure May cause respiratory irritation.</p> <p>i) STOT-repeated exposure Based on available data, the classification criteria are not met.</p> <p>j) Aspiration hazard Based on available data, the classification criteria are not met.</p>
11.2	Information on other hazards The product is not dangerous in the form in which it is supplied by the manufacturer. In the production of cement-bonded particleboard (mixing of loose additives and water, pressing of boards, hardening and drying) the irritating effects of individual components are eliminated and the resulting product has no adverse effects on human health. Subsequent processing of cement-bonded particleboards (eg cutting, grinding) generates dust, which can have irritating and sensitizing effects.

SECTION 12: Ecological information

12.1	Toxicity The product is not dangerous for aquatic organisms.
12.2	Persistence and degradability Information is not available.
12.3	Bioaccumulative potential Information is not available
12.4	Mobility in soil Information is not available
12.5	Results of PBT and vPvB assessment Product components are not assessed as PBT or vPvB.

SAFETY DATA SHEET by regulation (EC) No 1907/2006 REACH CETRIS cement-bonded chipboards	Date of issue: 20.02.2006 Revision date: 20.01.2022 Version: 1
Page 5 / 6	

12.6 Endocrine disrupting properties
The product does not contain components that cause disruption of the endocrine system.

12.7 Other adverse effects
Information is not available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

a) Suitable methods for removing the mixture and contaminated packaging:
Dispose of the waste according to local/official regulations.

b) Specify the physical/chemical properties that may affect waste treatment options
information is not available

c) Discourage sewage disposal
information is not available

d) Identify, where appropriate, any special precautions for any recommended waste treatment option
information is not available

SECTION 14: Transport information

14.1 UN number or ID number: Not applicable.

14.2 UN proper shipping name

<i>Ground transportation ADR</i>	-
<i>Railway transportation RID</i>	
<i>Naval transport IMDG:</i>	
<i>Air transport ICAO/IATA:</i>	

14.3 Transport hazard class(es)

<i>ADR</i>	<i>RID</i>	<i>IMDG:</i>	<i>ICAO/IATA:</i>
-	-	-	-

14.4 Packing group

<i>ADR</i>	<i>RID</i>	<i>IMDG:</i>	<i>ICAO/IATA:</i>
-	-	-	-

14.5 Environmental hazards
The product is not dangerous for the environment during transport.

14.6 Special precautions for user
Not applicable.

14.7 Maritime transport in bulk according to IMO instruments
Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Regulation (EC) No 1272/2008 CLP
Regulation (EC) No 1907/2006 REACH
National regulations on the waste

15.2 Chemical safety assessment
Not applicable.

SECTION 16: Other information

a) Changes made by the revision number 1 of the day 20.1.2022: translation of the safety data sheet into English

b) List of abbreviations

DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
CLP	Regulation (EC) No 1272/2008
REACH	Regulation (EC) No 1907/2006
IMDG	International Code of Dangerous Goods
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
ADR	European Agreement concerning the International carriage of dangerous goods by road
RID	Regulation on the international transport of dangerous goods by rail

SAFETY DATA SHEET by regulation (EC) No 1907/2006 REACH CETRIS cement-bonded chipboards	Date of issue: 20.02.2006 Revision date: 20.01.2022 Version: 1
Page 6 / 6	

	<table border="1"> <tr> <td>Einecs</td> <td>European Inventory of Existing Commercial Chemical Substances</td> </tr> <tr> <td>CAS</td> <td>Chemical Abstracts Service</td> </tr> <tr> <td>PBT</td> <td>persistent, bioaccumulative and toxic substance</td> </tr> <tr> <td>vPvB</td> <td>very persistent a very bioaccumulation substance</td> </tr> <tr> <td>SDS</td> <td>Safety data sheet</td> </tr> <tr> <td>Skin Irrit. 2</td> <td>Skin irritation, category 2</td> </tr> <tr> <td>Skin Sens. 1B</td> <td>Skin sensitization, category 1B</td> </tr> <tr> <td>Eye Dam. 1</td> <td>Serious eye damage/eye irritation, category 1</td> </tr> <tr> <td>STOT SE 3</td> <td>Specific target organ toxicity – single exposure, category 3</td> </tr> </table>	Einecs	European Inventory of Existing Commercial Chemical Substances	CAS	Chemical Abstracts Service	PBT	persistent, bioaccumulative and toxic substance	vPvB	very persistent a very bioaccumulation substance	SDS	Safety data sheet	Skin Irrit. 2	Skin irritation, category 2	Skin Sens. 1B	Skin sensitization, category 1B	Eye Dam. 1	Serious eye damage/eye irritation, category 1	STOT SE 3	Specific target organ toxicity – single exposure, category 3
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c)	Sources of information State legislation, documentation from the manufacturer																		
d)	List of hazard statements: H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.																		
e)	Instructions for training Training of work safety for handling with chemicals.																		
f)	Other information The classification was made using the calculation method in accordance with CLP Regulation (EC) No. 1272/2008. The information in this safety data sheet correspond to the best knowledge of the product at the time of publication. This information is used for safer handling, storage, transportation and disposal of the product. This information does not guarantee the quality of the product. This information applies only to this material and is not valid if the product is used in combination with other materials or in a way which is not listed in this SDS.																		