

SAFETY DATA SHEET

(acc. to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council)

Date of issue: 12 March 2009

Page: 1 / 6

Revision:

Product name: **CETRIS cement-bonded particleboard**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance/preparation

Name: **CETRIS cement-bonded particleboard**

Other names: Not given.

Registration number: Not applied for a preparation.

1.2 Use of the substance/preparation

Intended or recommended use of the substance/preparation: Cement-bonded particleboard.

Description of the substance/preparation function: The preparation is intended for professional/industrial use as well as to be sold to the consumer.

1.3 Company/undertaking identification

Name or trade name of the **manufacturer**: CIDEM Hranice, a.s., divize CETRIS

Registered office/place of business: Nová ulice 223, 753 40 Hranice

Identification no: 14617081

Telephone: +420 581 676 393

Fax : +420 581 676 291

Name or trade name of the **competent person** responsible for the Safety Data Sheet elaboration: EKOLINE, s.r.o. Brno

Registered office/place of business: Hviezdoslavova 29, 627 00 Brno, CZ

Telephone/fax: +420 545 218 716, 545 218 707

Email: ekoline@ekoline.cz

1.4 Emergency telephone

112 (24 hour service) – applicable to EU countries only.

Czech Republic: +420 – 224 91 92 93; 224 91 54 02 (24hour service)

Klinika nemocí z povolání – Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha 2, CZ

2. HAZARDS IDENTIFICATION

2.1 Overall classification of the substance/preparation

The preparation is not classified as dangerous according to Directives 67/548/EEC and 1999/45/EC.

2.2 Adverse human health and environmental effects

During the production process of cement-bonded particleboard (mixing of loose additives with water, boards pressing, hardening and drying), irritating effects of single components are eliminated and the final product does not produce any adverse health effects. During consequent finishing of cement-bonded particleboards, dust is produced which may cause mechanical irritation to the eyes, respiratory system and skin.

2.3 Other possible hazards

None known.

2.4 Information shown on the label – see Section 15

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 General description

Composition: Wood chips 18.1 %, water 29.7 % and the substances in the following table.

3.2 Dangerous ingredients content

Ingredient name	Content (%)	CAS number	ES number	Classification; R-phrases
Cement, portland, chemicals	49.7	65997-15-1	266-043-4	Xi; R 36/37/38 R 43
Silicic acid, sodium salt	1.7	1344-09-8	215-687-4	Xi; R 38-41
Aluminium sulphate, octahydrate	0.7	7784-31-8	233-135-0	Xn; R 20/21/22 Xi; R 41

SAFETY DATA SHEET

(acc. to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council)

Date of issue: 12 March 2009

Page: 2 / 6

Revision:

Product name: **CETRIS cement-bonded particleboard**

*Note: Full wording of R-phrases is listed in Section 16.
Exposure limit values, if specified, are listed in Section 8.1.*

4. FIRST AID MEASURES

4.1 General instructions

Mentioned instructions are related to dust exposures during the boards finishing process.

4.2 Inhalation

Remove to fresh air.

4.3 Skin contact

Wash the affected area with soap and water.

4.4 Eye contact

Flush thoroughly with water. If irritation occurs, seek medical attention.

4.5 Ingestion

Not expected.

4.6 Other information

Data are not given.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

The product is not flammable, use extinguishing media suitable to surrounding conditions.

5.2 Unsuitable extinguishing media

None known.

5.3 Special exposure hazards

No special measures required.

5.4 Special protective equipment for fire-fighters

No special measures required.

5.5 Other information

No special measures required.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

No special measures required.

6.2 Environmental precautions

No special measures required.

6.3 Recommended methods of cleaning up and disposal

If the product is not mechanically or otherwise deteriorated; it can be reused. Collect deteriorated product or its residues into containers approved for appropriate disposal.

Note: See Section 8 for personal protective equipment and Section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1 Handling

While treating cement-bonded particleboard, i.e. cutting, drilling, milling and brushing, use personal protection equipment as stated in Section 8. Handle the boards in the vertical position. Maintain good hygiene, wash hands and face after work.

7.2 Storage

Store in sheltered dry locations, so that the boards can not become wet.

SAFETY DATA SHEET

(acc. to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council)

Date of issue: 12 March 2009

Page: 3 / 6

Revision:

Product name: **CETRIS cement-bonded particleboard**

7.3 Specific use(s) of end products

Not required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limit values

Czech Republic:

Control parameters of preparation ingredients are given specified in Decree no. 361/2007 Coll., as amended.

Substance	PEL _c (mg/m ³)
Cement	10.0

Limit values of biological exposure tests indicators for the preparation are/ are not given specified in Decree no. 432/2003 Coll.

EU:

Exposure limit values according to Directive 2000/39/EC, as amended by Directive 2006/15/EC – are not given

8.2 Exposure controls

While treating cement-bonded particleboard, i.e. cutting, drilling, milling and brushing, provide sufficient ventilation. Ensure that only personnel using personal protective equipment handle the preparation. Wash hands and face thoroughly with soap and water after finishing work. Do not eat, drink or smoke at work.

8.2.1 Occupational exposure controls

Respiratory protection:	Not necessary if sufficient ventilation is provided.
Eye protection:	Safety glasses (EN 166).
Hand protection:	Protective gloves acc. to EN 374.
Skin protection:	Appropriate work clothes.

Czech Republic: Personnel responsible for occupational safety of employees shall determine a method for monitoring the substance content in the workplace atmosphere and specification of protective equipment.

8.2.2 Environmental exposure controls

See Directives 80/68/EC, 90/656/EC, 91/692/EC, on waters, and Directive 96/62/EC, on air

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Physical state (at °C): solid
Colour: acc. to the shade
Odour: data not given

9.2 Important health, safety and environmental information

pH (at °C): data not given
Boiling point/boiling range (°C): data not given
Flash point (°C): data not given
Flammability: not flammable
Explosive properties: data not given
Oxidising properties: data not given
Vapour pressure (at °C): data not given
Relative density (at °C): data not given
Solubility (at °C): data not given
Water solubility (at °C): data not given
Partition coefficient n-octanol/water: data not given
Viscosity: data not given
Vapour density: data not given
Evaporation rate: data not given

SAFETY DATA SHEET

(acc. to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council)

Date of issue: 12 March 2009

Page: 4 / 6

Revision:

Product name: **CETRIS cement-bonded particleboard**

9.3 Other information:

Humidity (weight in %): 9 ± 4

10. STABILITY AND REACTIVITY

Stable under normal usage and storage conditions.

10.1 Conditions to avoid

Humidity.

10.2 Materials to avoid

None known.

10.3 Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION

11.1 Description of exposure symptoms

During the subsequent finishing process of cement-bonded particleboard, dust is produced, which may cause mechanical irritation to the eyes, respiratory system and skin.

11.2 Dangerous-to-health effects

Acute toxicity

- | | |
|---|---|
| - LD ₅₀ , oral, rat (mg/kg): | 6,200 (aluminium sulphate)
3,400 (Silicic acid, sodium salt) |
| - LD ₅₀ , dermal, rat or rabbit (mg/kg): | data are not given |
| - LC ₅₀ , inhalatory, rat (mg/L): | data are not given |

Sub-chronic - chronic toxicity

Data are not given.

Sensitisation

Data are not given.

Carcinogenicity

Data are not given.

Mutagenicity

Data are not given.

Toxicity for reproduction

Data are not given.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

- | | |
|---|--------------------|
| - LC ₅₀ , 96 hrs., fish (mg/L): | data are not given |
| - EC ₅₀ , 48 hrs., daphnia (mg/L): | data are not given |
| - IC ₅₀ , 72 hrs., algae (mg/L): | data are not given |

12.2 Mobility

Data are not given.

12.3 Persistence and degradability

Data are not given.

12.4 Bioaccumulative potential

Data are not given.

12.5 Results of PBT assessment

Data are not given.

12.6 Other adverse effects

The product can contaminate the environment.

SAFETY DATA SHEET

(acc. to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council)

Date of issue: 12 March 2009

Page: 5 / 6

Revision:

Product name: **CETRIS cement-bonded particleboard**

13. DISPOSAL CONSIDERATION

13.1 Possible danger resulting from the substance/preparation disposal

The user should assign the waste codes according to the product application used.

European Waste Catalogue (EWC):

17 01 07 Mixtures or separated fractions of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06.

Packaging: groups of 15 01 xx classes

13.2 Suitable methods for the substance/preparation and contaminated packaging disposal

Hand over labelled waste, including its identification sheet, for disposal to a specialised company authorised to carry out such activities.

13.3 Legal regulations relating to waste

Directive on waste no. 74/442/EC. The Waste Catalogue of Directive no. 2000/532/EC. Directive on packaging no. 2004/12/EC.

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Not subject to ADR provisions (for transport of dangerous goods).

15. REGULATORY INFORMATION

15.1 Information shown on the label (acc. to Directives 67/548/EEC and 1999/45/EC)

Listed legal regulations do not apply to the substance/preparation labelling.

15.2 Special provisions and legal regulations at CZ level

Not required.

15.3 Special provisions and legal regulations at EU level

Not required.

16. OTHER INFORMATION

16.1 List of R-phrases used in the Safety Data Sheet

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 38 Irritating to skin

R 41 Risk of serious damage to eyes

R 43 May cause sensitization by skin contact

16.2 Training advice

See Directive 91/383/EC

16.3 Recommended restrictions of use

The substance shall not be used for any other purpose than the intended one (see Section 1.2). Since specific conditions of the substance usage are beyond the supplier control, it is the user's responsibility to adapt specified notices for local laws and regulations. Safety information describes the product in terms of safety, and therefore may not be considered to be technical information about the product

16.4 Further information

Further information shall be provided by the Safety Data Sheet elaborator or importer/distributor.

16.5 Sources of key data:

The information contained herein is based on our best knowledge and the present legislation, especially Act no. 356/2003 Coll., as amended, incl. complementary regulations, and Regulation no. 1907/2006 of the European Parliament and of the Council (EC). Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

MSDS was prepared based on the following documents supplied by the manufacturer:

- MSDS for each single components,
- Formula,

SAFETY DATA SHEET

(acc. to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council)

Date of issue: 12 March 2009

Page: 6 / 6

Revision:

Product name: **CETRIS cement-bonded particleboard**

- Expertise issued by the Institute of Hygiene and Epidemiology,
- Expertise issued by the Research Institute of Construction Materials.

16.6 Changes resulting from the SDS revision

First issue: 12 March 2009

Date of issue of the manufacturer's Safety Data Sheet: 20 February 2006