

Material Safety Data Sheet

According to 91/155 EEC

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Number of pages: 4

1. Identification of the preparation and of the company

- **Identification of the preparation (Trade name):** CEMENT-BOUND WOODSPLINTER-BOARD VELOX
- **Use of the preparation:** Noise enclosure boards for universal building systems VELOX
- **Company identification (Address):** Velox-Werk s.r.o., Bělotínská cesta, P.O.Box 78, CZ 753 01 Hranice
(Telephone): +420 581 651 430, (Fax): +420 581 651 530, (e-mail): velox@velox.cz
- **Emergency telephone number, name and address:**
tel.: +420 224 919 293; +420 224 915 402 Toxicological information centre, Na Bojišti 1, CZ 128 08 Prague 2

2. Composition / Information on ingredients

- **Chemical nature:** Mixed reaction products of wood, cement, sodium water glass and pigments.
- **Hazardous ingredients:**

CAS #	EINECS #	Name of hazardous ingredients	Content (%)	Symbol	Classification R-phrases *)
65997-15-1	266-043--4	Portland cement EN 197-1 ¹⁾	2 ≤ c < 15		Xi; R 36//37/38 Xi; R 43
1344-09-8	215-687-4	Sodium water glass (liquid) ²⁾	1 ≤ c < 5		Xn; R 36/38

*) Significance of R-phrases – see part 16.

¹⁾ Classification of powder form of cement; in final reaction products is solid concrete.

²⁾ Classification of liquid form of sodium water glass; in final reaction products is solid xerogel different chemical constitution

3. Hazards identification

- **Hazards classification:** No specific hazards to be mentioned under normal product use.
- **Symbols:** The product does not require a hazard warning label in accordance with EC directives.
- **Other hazardous:**
Possible irritable effects of powder particles to eyes, respiratory system and skin on sensitive persons at cutting or other mechanical working before applications.
- **Other information:** None.

4. First aid measures

- **General information:** Follow instructions for safe manipulation on the package of preparations.
- **Instructions for first resource after exposition:**

After inhalation:

Hazard of exposure is at treatments of boards above all. Stop exposition. Take the victim out of the contaminated area. Make victim breath fresh air. If symptoms persist seek medical attention.

After skin contact: Wash effected area immediately with water and soap. Remove contaminated parts of clothing and shoes immediately and clean thoroughly before reuse.

After eye contact: Hazard of exposure is at treatments of boards above all. Stop exposition. Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Take the advice of an ophthalmologist.

After ingestion: Hazard of exposure is not supposed.

5. Fire-fighting measures

- **Suitable extinguishing media:** Non-flammable or hardly-flammable preparations.
- **Unsuitable extinguishing media:** No data available.
- **Special exposure hazards:** Hazard of exposure is not supposed.
- **Protective preparations for fire-fighters:** Wear non-flammable protective clothing. Wear breathing apparatus.
- **Other information:** No special measures required.

6. Accidental release measures

- **Personal precautions:** Ensure adequate ventilation. Use personal protective equipment.
- **Environmental precautions:** Assuming nothing.
- **Recommended methods for cleaning up:** Sweep particles of dust, dispose contaminated material as waste according to item 13.

7. Handling and storage

▪ Instructions for handling:

Advice on safe handling: Avoid eyes, skin and breathe system contact - use personal protective means. Do not inhale dust—ensure adequate ventilation.

Prevention advice on fire-fighting: The product is not easily combustible.

▪ Instructions for storage:

Requirements for storage rooms and vessels: Standard storage for building materials.

Special storage conditions: None.

8. Exposure control / Personal protection

- **Exposure limits for workplace (PELc, mg/m³):** 10 (cement – dust).
- **General restriction of exposure:** Follow general principle of safety, health protection and protection of living environment. Adequate ventilation or exhaustion of workplace. Prevent dust inhalation, contact with skin and eyes.

Personal protection equipment:

- Respiratory protection:** Not necessary in normal conditions of use. Apply to respirator at treatments of boards.
- Hand protection:** Wear suitable protective gloves. Replace protective gloves immediately upon damage.
- Eye protection:** Not necessary for normal use. At treatments of boards safety goggles with side protection.
- Skin protection:** Suitable working clothes.

Restriction of environment exposure: No special technical measures.

9. Physical and chemical properties

▪ General information:

Form: Solid board thickness 25 mm to 50 mm (different size).

Odour: None.

▪ Important health, safety and environmental information:

Ignition temperature: Not applicable

Flammability: Not flammable

Explosive properties: Not explosive

Mean surface weight: 21 kg/m² to 40 kg/m² (WSD); 19 kg/m² to 33 kg/m² (WS);

Mean volume weight: 790 kg/m³ (WSD); 630 kg/m³ to 700 kg/m³ (WS);

Solubility: Water - No

pH value: Not applicable

Content of organic solvents: Not applicable.

10. Stability and reactivity

- **Conditions for stability of preparation:** Standard conditions of handling and storing – see to part 7
- **Conditions to avoid:** None, if handled and stored according to order.
- **Materials to avoid:** No hazardous reactions when stored and handle according to prescribed instructions.
- **Hazardous decomposition products:** None to our knowledge in usual handling and storing conditions.

11. Toxicological information

- **General information:** Product specific toxicological data are not known.

Acute toxicity:

- LD₅₀, oral, rat: None known.
- LD₅₀, dermal, rabbit: None known.
- LC₅₀, inhalation (4 hours): None known.

- **Hazardous local effects:**

On contact with eyes: Board particles may cause temporary discomfort at mechanical treatments of boards.

On skin contact: Board particles may cause temporary discomfort at mechanical treatments of boards.

If inhaled: Board particles may cause temporary discomfort at mechanical treatments of boards.

- **Hazardous chronic effects:**

Sensibility: None known. But it is possible in patients with increased sensitivity.

Narcotic effects: None known.

Carcinogenic effects: None known.

Mutagenic effects: None known.

Reproduction toxicity: None known.

- **Other information:** None.

12. Ecological information

- **Ecological toxicity:** No specific risks known.

Toxicity for water environment: None known.

Other toxicity: None known.

- **Biodegradation:** None. Board particles is possible to remove from out water environment mechanically, e.g. filtration.
- **Other information:** No data available.

13. Disposal considerations

- **Instruction for safety handling:** Do not dispose this product as municipal rubbish.
- **Measures for disposal of preparation:** Mechanically separation of splinters or dust, e.g. sweeping, vacuuming), store into separate containers and disposal according to regional conditions.
- **Waste code:** According to the European Waste Catalogue (EWC), e.g. code 17 06 04 building waste insulating materials without content hazardous substances or code 03 01 05 waste of manufacturing and treatments boards without content hazardous substances.
- **Other information:** Waste code of concrete 17 01 01 (other waste).

14. Transport information

- **Transport classification:** Preparation is not hazardous for transport.

Land transport (ADR/RID): Not classified as dangerous in the meaning of land transport regulations.

Shipping transport (IMDG/GGV): Not classified as dangerous in the meaning of shipping transport regulations.

Air transport (ICAO/IATA): Not classified as dangerous in the meaning of air transport regulations.

15. Regulatory information

- **Information on package:** Preparation is not hazardous in according to EU regulations.

Hazard classification: None

Symbol of hazard: The product does not require a hazard warning label in accordance with EC directives in the latest valid version.

Hazardous substances: None

R-phrases: None

S-phrases: Keep out of the reach of children (S 2)

Do not breathe dust (S 22)

Wear suitable protective clothing, gloves and eye/face protection (S 36/37/39)

- **Specify regulations:** Safety data sheet available for professional user on request.

- **National legislation (Czech Republic):**

- ✓ Czech Act No. 356/2003 Coll., on the chemical substances and chemical preparations.
- ✓ Czech Act No. 258/2000 Coll., on the protection of public health.
- ✓ Czech Regulations No. 381/2001 Coll., on the Waste catalogue and register hazardous wastes.

16. Other information

- **Risk phrases in part 2:**

R 36/38 Irritating to eyes and skin

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

R 43 May cause sensitisation by skin contact

- **Signification of term PELc in part 8:**

Permissible exposure limit (for total concentration).

- **Recommendation for restriction on ES:** None

- **Applied documents at producing Material Safety Data Sheet (MSDS):**

- MSDS Water glass liquid (version 18.05.2004)
- MSDS Portland cement (version 30.01.2006)
- Database hazardous substances PENTALL.

- **Notation of added, eliminated or modified information:**

MSDS is completely reworking. Change classification of hazardousness of preparations and waste hazardousness, too.

- **MSDS compiler:** Velox-Werk, s.r.o., Bělotínská cesta, P.O.Box 78, 753 01 Hranice, Czech Republic

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