

Safety Data Sheet (SDS)

SDS Preparation Date: 3/21/2022

StrandTec



1. IDENTIFICATION

1.1 Product identifier

Cementitious Wood Fiber Board known as StrandTec

1.2 Recommended use

Decorative acoustic board for architectural ceiling and wall finishes

1.3 Company Contact

ASI

123 Columbia Court N.

Chaska, MN 55318

USA

+1 (952) 448-5300

1.4 Emergency phone number

+1 (952) 448-5300

2. HAZARD IDENTIFICATION

2.1 Classification of the mixture

Eye Dam. 1;H318

Skin Irrit. 2;H315

Skin Sens. 1B;H317

STOT SE 3;H335

2.2 Statements



WARNING; DANGER

Contains:

Portland cement

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| | |
|-------------------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer. |
| P102 | Keep out of reach of children. |
| P261 | Avoid breathing dust. |
| P280 | Wear protective gloves, eye and face protection. |
| P305+ P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P501 | Dispose of contents/container in accordance with local regulations. |

2.3 Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Contains: Calcium oxide. When mixed with water it will form calcium hydroxide which has a corrosive effect on skin and eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

| Chemical Name | CAS No. | Hazard Classification | Weight %: |
|-----------------|-------------|--|-----------|
| Portland cement | 65997-15-1 | Skin Irrit. 2;H315 Eye Dam. 1;H318 Skin Sens. 1;H317 STOT SE 3;H335 | 60-65% |
| Wood Fiber | Proprietary | Combustible Dust Carc. 1A;H350 (as wood dust) | 37-39% |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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4. FIRST-AID MEASURES

4.1 Description of necessary measures

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek medical attention.

Skin contact: May cause skin irritation. Wash skin with soap and water. If condition persists or worsens: seek medical attention.

Eye contact: Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital.

Ingestion: Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital.

4.2 Most important symptoms/effects, acute and delayed.

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use fire-extinguishing media appropriate for wood fire.

5.2 Specific hazards arising from the mixture

Hazardous decomposition: carbon monoxide, hydrogen cyanide, and other products of wood combustion.

Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

5.3 Special protective equipment and precautions for firefighters

For selection of respiratory protection for firefighting, follow the general fire precautions indicated in the workplace.

In case of contact with water used for fire extinguishing, use chemical resistant protective suit.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Precautions

Personal Precautions: Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Use work methods which minimize dust production.

Environmental Precautions: The product should not be disposed in nature but collected and delivered according to agreement with the local authorities.

6.2 Methods and materials for containment and cleaning up.

Methods for cleaning up: Remove material with vacuum cleaner. If not possible, collect spillage with shovel, broom, or similar, avoiding procedures that cause dispersion of dust into the air.

References: For personal protection, see section 8.
For waste disposal, see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Avoid spreading dust. Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Change contaminated clothing.

Technical measures: Use work methods which minimize dust production.

Technical precautions: Mechanical ventilation may be required. Provide easy access to water supply and eye wash facilities.

7.2 Conditions for safe storage

Avoid ignition sources.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limits

| CAS No. | Chemical Name | As | Exposure Limits | Type | References |
|-------------|-----------------|---------------------|---|------|------------------------|
| 65997-15-1 | Portland cement | Total dust | 10 mg/m ³ | TWA | Cal/OSHA; NIOSH |
| 65997-15-1 | Portland cement | Respirable fraction | 5 mg/m ³ | TWA | Cal/OSHA; NIOSH |
| | | | 1 mg/m ³ (no asbestos and < 1% crystalline silica) | TWA | ACGIH |
| Proprietary | Wood fiber | - | No established limit | - | Cal/OSHA; NIOSH; ACGIH |

OSHA regulates the exposure limits of wood dust under "Particulates Not Otherwise Regulated (PNOR)":

Total Dust - 10 mg/m³ (Cal/OSHA); Respirable fraction - 5 mg/m³ (Cal/OSHA)

8.2 Appropriate engineering controls

Engineering measures: Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

8.3 Individual protection measures

Personal protection: Personal protection equipment should be chosen according to the OSHA standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: During dust-raising work: Use certified respiratory equipment.

Skin protection: Wear protective gloves and clothing. Types of gloves can be recommended by the glove supplier.

Eye protection: Wear goggles/face shield.

Hygiene measures: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Environmental Exposure Controls:
Not available.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

White or off-white

9.2 Odor

Little to none

9.3 Odor threshold

Not available

9.4 pH

Not available

9.5 Melting point/freezing point

Not available

9.6 Initial boiling point and boiling range

Not available

9.7 Flash point

Not available

9.8 Evaporation rate

Not available

9.9 Flammability

ASTM E-84 Class A

9.10 Upper/lower flammability or explosive limits

Not available

9.11 Vapor pressure

Not available

9.12 Vapor density

Not available

9.13 Relative density

21-34 lb./ft³

9.14 Solubility

Not available

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10. STABILITY AND REACTIVITY

10.1 Reactivity

None known

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Fire and excessive heat

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

Carbon monoxide, hydrogen cyanide, and other products of wood combustion

11. TOXICOLOGICAL INFORMATION

11.1 Description of the various toxicological (health) effects and the available data used to identify those effects, including:

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization:
May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

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STOT - Single exposure: May cause respiratory irritation.
STOT - Repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on the likely routes of exposure

Inhalation: Dust may irritate throat and respiratory system and cause coughing.
Skin contact: Dust has an irritating effect on moist skin. Prolonged or repeated contact: Risk of sensitization or allergic reactions among sensitive individuals.
Eye contact: Dust or splashes from the mixture may cause permanent eye damage. Immediate first aid is necessary.
Ingestion: Not likely, due to the form of the product. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

12.1 Ecotoxicity

The product is not expected to be hazardous to the environment.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Bioaccumulative potential

This product does not contain any PBT and vPvB substances.

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12.6 Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

13.1 Waste residue and disposal

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION (NON-MANDATORY)

14.1 UN number

Not available

14.2 UN proper shipping name

Not available

14.3 Transport hazard class

Not available

14.4 Environmental hazards

Not available

14.5 Transport in bulk

Not available

14.6 Special precautions

None known

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15. REGULATORY INFORMATION (NON-MANDATORY)

15.1 Safety, health and environmental regulations

As a rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Regulations (overview): The data in this section is not intended to be exhaustive; only select regulations are represented.

Toxic Substance Control Act (TSCA): All components of this material are either listed or exempt from listing on the TSCA Inventory.

US EPA Tier II Hazards

Fire: Yes

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): Yes

EPCRA 302 Extremely Hazardous: To the best of our knowledge, there are no chemicals at levels that require reporting under this statute.

EPCRA 313 Toxic Chemicals: To the best of our knowledge, there are no chemicals at levels that require reporting under this statute.

Proposition 65 - Carcinogens (>0.1%): Wood dust

Proposition 65 - Developmental Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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16. OTHER INFORMATION

Date of SDS Preparation: Monday, March 21, 2022

For restrictions on use see section 15.

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Abbreviations and acronyms used in the safety data sheet:

PBT Persistent, Bioaccumulative and Toxic.

vPvB very Persistent and very Bioaccumulative.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.