



# SAFETY DATA SHEET

REACH: Regulation (EC) No 1907/2006 (in particular as amended by Regulation (EU) No. 2015/830 with respect to SDSs) & CLP: Regulation (EC) No 1272/2008

PRINTING DATE: 11.08.2022

VERSION NUMBER: 5

REVISION: 11.08.2022

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

• **1.1 PRODUCT IDENTIFIER:**

**Trade Name:** WARM SPRINGS™ TECTONITE® 900

**REACH Registration number:** Not relevant.

• **1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:**

**Product category:** No further relevant information available.

**Application of the substance / the mixture:** TECTONITE® 900 is a gray in color, mineral based panel manufactured in our plant in Warm Springs Oregon. This mineral based panel product is used in the construction of fire rated doors and frames and is rated up to 90 minutes to the US Standards, and 120 minutes to the British Standard.

• **1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

**Manufacturer/Supplier:**

Warm Springs Composite Products  
3270 U.S. Hwy. 26 Bldg. #8  
P.O. Box 906  
Warm Springs, OR 97761  
1-541-553-1143 | wscp.com

• **1.3 EMERGENCY TELEPHONE NUMBER:** 1-541-553-1143

## SECTION 2: HAZARDS IDENTIFICATION

• **2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:** May cause serious eye damage.

**Classification according to Regulation (EC) No 1272/2008**



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
STOT SE 3 H335 May cause respiratory irritation.

**Additional information:** Hazards exempt when in solid form or when it cannot be released due to cutting, grinding, heating, etc. This product does not contain Asbestos, Volatile Organic Chemicals (VOC's) or Formaldehyde.

• **2.2 LABEL ELEMENTS**

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

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**



GHS05

GHS07

**Signal word:** Danger



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## Hazard-determining components of labelling:

Cement, Portland  
Diatomaceous earth (Silica-Amorphous)

## Hazard statements:

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.

## Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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 Immediately call a POISON CENTER/doctor.  
P321 Specific treatment (see on this label).  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:** This value refers to knowledge of known, established toxicological or ecotoxicological values.  
36.5 % of the mixture consists of component(s) of unknown toxicity.  
Contains 99.6 % of components with unknown hazards to the aquatic environment.

- **2.3 OTHER HAZARDS:** None known.

## Results of PBT and vPvB assessment

**PBT:** Not applicable.  
**vPvB:** Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **3.1 CHEMICAL CHARACTERISATION: MIXTURES**

**Description:** Mixture of substances listed below with non-hazardous additions.

### Dangerous Components:

CAS: 65997-15-1	Cement, Portland	15-35%
EINECS: 266-043-4	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317;	
RTECS: VV 8770000	STOT SE 3, H335	
CAS: 61790-53-2	Diatomaceous earth (Silica-Amorphous)	13.7%
	⚠ Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 93763-70-3	Perlite	2-12%
RTECS: SDS5254000	substance with a Community workplace exposure limit	
CAS: 65996-61-4	Pulp Cellulose	2-12%
CAS: 14808-60-7	Quartz (SiO <sub>2</sub> )	≤2.5%
EINECS: 238-878-4	⚠ STOT RE 1, H372; ⚠ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	
RTECS: VV 7330000		

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

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**SECTION 4: FIRST AID MEASURES**

- **4.1 DESCRIPTION OF FIRST AID MEASURES**

**General information:** If symptoms persist, call a physician.

**After inhalation:** In case of unconsciousness place patient stably in the side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

**After swallowing:** If swallowed and symptoms occur, consult a doctor. Call for a doctor immediately.

- **4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**Quartz:** Can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death; inhaled from occupational sources is classified as carcinogenic to humans. Some studies show in workers exposed to respirable quartz excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease, chronic bronchitis and emphysema.

- **4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No further relevant information available.

**SECTION 5: FIREFIGHTING MEASURES**

- **5.1 EXTINGUISHING MEDIA**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** No further relevant information.

- **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:** No further relevant information available.

- **5.3 ADVICE FOR FIREFIGHTERS**

**Protective equipment:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Not required.

- **6.2 ENVIRONMENTAL PRECAUTIONS:** No special measures required. Do not allow to enter sewers, surface or ground water.

- **6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**

Contain spill and collect, as appropriate.

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

- **6.4 REFERENCE TO OTHER SECTIONS:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.



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## SECTION 7: HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SAFE HANDLING:** No special precautions are necessary if used correctly.  
**Information about protection against explosions and fires:** No special measures required.
- 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**  
**Storage:**  
**Requirements to be met by storerooms and receptacles:**  
**Storage Temperature Range:** 0-45° C  
**Storage Humidity Range:** 20-80%. Keep Dry.  
**Information about storage in one common storage facility:** Store horizontally on even surfaces supporting the entire panel.  
**Further information about storage conditions:** Store in cool, dry conditions. Keep receptacle tightly sealed.
- 7.3 SPECIFIC END USE(S):** No further relevant information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 CONTROL PARAMETERS**  
**Additional information about design of technical facilities:** No further data; see item 7.

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### Ingredients with limit values that require monitoring at the workplace:

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#### 13397-24-5 Gypsum (Calcium sulfate)

VL (Belgium)	Long-term value: 10 mg/m <sup>3</sup>
MAK (Germany)	Long-term value: 1.5A* 4E** mg/m <sup>3</sup> *alveolengäng **eintembar;vgl.Abschn.V f) und g)
VLEP (France)	Long-term value: 10 mg/m <sup>3</sup>
TWA (Italy)	Long-term value: 10 mg/m <sup>3</sup> (i)

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#### 65997-15-1 Cement, Portland

MAK (Austria)	Long-term value: 5 E mg/m <sup>3</sup>
VL (Belgium)	Long-term value: 1 mg/m <sup>3</sup> poussières alvéolaires
AGW (Germany)	Long-term value: 5 E mg/m <sup>3</sup> DFG
WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
TWA (Italy)	Long-term value: 1 mg/m <sup>3</sup> (e, j), A4
OEL (Ireland)	Long-term value: 1 mg/m <sup>3</sup> respirable fraction

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#### 61790-53-2 Diatomaceous earth (Silica-Amorphous)

MAK (Austria)	Long-term value: 4 E mg/m <sup>3</sup>
VL (Belgium)	Long-term value: 3* 10** mg/m <sup>3</sup> *fraction alvéolaire; **fraction inhalable
AGW (Germany)	Long-term value: 4 E mg/m <sup>3</sup> DFG, Y, 1
WEL (Great Britain)	Long-term value: 1.2 mg/m <sup>3</sup> respirable dust
TWA (Italy)	Long-term value: *(10) **(3) mg/m <sup>3</sup> *particelle inalabili: **particelle respirabili



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## 93763-70-3 Perlite

VL (Belgium)	Long-term value: 10 mg/m <sup>3</sup>
TWA (Italy)	Long-term value: (10) mg/m <sup>3</sup> (A4 (e))

**Additional information:** The lists valid during the making were used as basis.

### 8.2 EXPOSURE CONTROLS

#### Personal protective equipment:

**General protective and hygienic measures:** Avoid contact with the eyes and skin.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Keep away from food and drink.

#### Respiratory protection:



NIOSH approved dust masks or filter face coverings are recommended for use in areas with poor ventilation or where dust removal does not maintain permissible exposure limits.

#### Protection of hands:



Protective gloves

#### Material of gloves:

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:



Wear safety glasses with side shields (or goggles). Ensure compliance with OSHA's PPE standards for eye and face protection. Provide an emergency eye wash fountain in the immediate work area.

### 8.3 ENVIRONMENTAL EXPOSURE CONTROLS: None.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

#### General Information

##### Appearance:

Form:	Solid
Colour:	Gray to off white

Odour: Low

pH-value @ 20° C: ~8

##### Change in condition

Melting point/freezing point: Not determined.

Flash point: Not applicable.

Flammability (solid, gas): Not determined.

Ignition temperature: Not applicable.

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<b>Decomposition temperature:</b>	1204° C
<b>Auto-ignition temperature:</b>	Product is not self-igniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density:</b>	3.80-4.49 kg/m <sup>3</sup> (61-72 lbs./cu. ft.)
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not applicable.
<b>Evaporation rate:</b>	Not applicable.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Solvent content:</b>	
<b>Solids content:</b>	<99.9 %

- **9.2 OTHER INFORMATION:** No further relevant information available.

## SECTION 10: STABILITY AND REACTIVITY

- **10.1 REACTIVITY:** No further relevant information available.
- **10.2 CHEMICAL STABILITY:** Product is stable under normal conditions.  
**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** No dangerous reactions known.
- **10.4 CONDITIONS TO AVOID:** No further relevant information available.
- **10.5 INCOMPATIBLE MATERIALS:** No further relevant information available.
- **10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

- **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**Acute toxicity:** Based on available data, the classification criteria are not met.

**LD/LC50 values that are relevant for classification:**

**13397-24-5 Gypsum (Calcium sulfate)**

Oral      LD50      >2,000 mg/kg (Rat)

**65996-61-4 Pulp Cellulose**

Inhalative      LC50/4 h      5,800 mg/l (Rat)



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## 14808-60-7 Quartz (SiO<sub>2</sub>)

Oral	LD50	>22,500 mg/kg (Rat) mg/kg (Rabbit)
Inhalative	LC50/96 hours	1,033 mg/l (Trout)

### Primary irritant effect:

**Skin corrosion/irritation:** May cause an allergic skin reaction. Causes skin irritation.

**Serious eye damage/irritation:** Corrosive effect. Causes serious eye irritation. Causes serious eye damage.

**Sensitization:** May cause an allergic skin reaction.

### Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

**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.

**STOT (Specific target organ toxicity)-single exposure:** May cause respiratory irritation.

**STOT (Specific target organ toxicity)-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 TOXICITY

#### Aquatic toxicity:

#### 14808-60-7 Quartz (SiO<sub>2</sub>)

EC50	218 mg/l (Green algae)
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• **12.2 PERSISTENCE AND DEGRADABILITY:** No further relevant information available.

• **12.3 BIOACCUMULATIVE POTENTIAL:** No further relevant information available.

• **12.4 MOBILITY IN SOIL:** No further relevant information available.

### ADDITIONAL ECOLOGICAL INFORMATION

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

**PBT:** Not applicable.

**vPvB:** Not applicable.

• **12.6 OTHER ADVERSE EFFECTS:** No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

**Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agent:** Water, if necessary together with cleansing agents.



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## SECTION 14: TRANSPORT INFORMATION

- **14.1 UN-NUMBER**  
ADR/ADN, IMDG, IATA Non-Regulated Material.
- **14.2 UN PROPER SHIPPING NAME**  
ADR/ADN, IMDG, IATA Non-Regulated Material.
- **14.3 TRANSPORT HAZARD CLASS(ES)**  
ADR/ADN, ADN, IMDG, IATA  
Class Non-Regulated Material.
- **14.4 PACKING GROUP**  
ADR/ADN, IMDG, IATA Non-Regulated Material.
- **14.5 ENVIRONMENTAL HAZARDS** Not applicable.
- **14.6 SPECIAL PRECAUTIONS FOR USER** Not applicable.
- **14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE:** Not applicable.  
UN "Model Regulation": Non-Regulated Material.

## SECTION 15: REGULATORY INFORMATION

- **15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**  
**Directive 2012/18/EU:** Substance is not listed.  
**Named dangerous substances - ANNEX I:** None of the ingredients are listed.  
**LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Substance is not listed.  
**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:** None of the ingredients are listed.  
**REGULATION (EU) 2019/1148**  
**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):** None of the ingredients are listed.  
**Annex II - REPORTABLE EXPLOSIVES PRECURSORS:** None of the ingredients are listed.  
**Regulation (EC) No 273/2004 on drug precursors:** None of the ingredients are listed.  
**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:** None of the ingredients are listed.  
**National regulations:** The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.
- **15.2 CHEMICAL SAFETY ASSESSMENT:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.



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H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

**\*Data compared to the previous version altered.**

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