

**SAFETY DATA SHEET**

Page 1/9

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: 16.08.2022

VERSION NUMBER: 6

REVISION: 16.08.2022

WARM SPRINGS™ 412 Fire Door Core

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 PRODUCT IDENTIFIER:****Trade Name:** WARM SPRINGS™ 412 Fire Door Core**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:** This Mineral Core is pink in color and manufactured in our plant in Warm Springs, Oregon. The mineral core product is used in the construction of fire rated doors 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

1.4 EMERGENCY TELEPHONE NUMBER: 1-541-553-1143**SECTION 2: HAZARDS IDENTIFICATION****2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE****Classification according to Regulation (EC) No 1272/2008**

GHS07

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

GHS07

Signal word: Warning**Hazard-determining components of labelling:**

Calcium Silicate Filler

Starch

Silicon Dioxide

Hazard statements:

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.

(CONTINUED ON PAGE 2)

**SAFETY DATA SHEET**

Page 2/9

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: 16.08.2022

VERSION NUMBER: 6

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WARM SPRINGS™ 412 Fire Door Core

Precautionary statements:

- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 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.
 60.4% of the mixture consists of component(s) of unknown toxicity.
 Contains 60.4% 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 nonhazardous additions.

Dangerous Components:

CAS: 13983-17-0	Calcium Silicate Filler	15-35%
	⚠ STOT SE 3, H335	
CAS: 9005-25-8	Starch	2-12%
EINECS: 232-679-6	⚠ STOT SE 3, H335	
CAS: 7631-86-9	Silicon Dioxide	2-12%
EINECS: 231-545-4	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 65997-17-3	Fiber Glass	25-50%
EINECS: 266-046-0	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 93763-70-3	Perlite	25-50%
RTECS: SDS5254000	substance with a Community workplace exposure limit	
CAS: 14808-60-7	Quartz (SiO ₂)	<0.23%
EINECS: 238-878-4	⚠ STOT RE 1, H372; ⚠ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3,	
RTECS: VV 7330000	H335	

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

SECTION 4: FIRST AID MEASURES

- **4.1 DESCRIPTION OF FIRST AID MEASURES**

General information: If symptoms persist, call a physician.

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
 In case of unconsciousness, place patient stably in 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 at least 15 minutes under running water. If symptoms persist, 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.

(CONTINUED ON PAGE 3)

**SAFETY DATA SHEET**

Page 3/9

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: 16.08.2022

VERSION NUMBER: 6

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WARM SPRINGS™ 412 Fire Door Core

- **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 contaminated materials as waste according to Section 13.

Ensure adequate ventilation.

Dispose of the material collected 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.

SECTION 7: HANDLING AND STORAGE

- **7.1 PRECAUTIONS FOR SAFE HANDLING**

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection: 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.



SAFETY DATA SHEET

Page 4/9

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: 16.08.2022

VERSION NUMBER: 6

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WARM SPRINGS™ 412 Fire Door Core

Further information about storage conditions:

Store in cool, dry conditions.

Keep container 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.

Ingredients with limit values that require monitoring at the workplace:

93763-70-3 Perlite

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

9005-25-8 Starch

VL (Belgium)	Long-term value: 10 mg/m ³
WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable
TWA (Italy)	Long-term value: 10 mg/m ³ A4
OEL (Ireland)	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable dust

7631-86-9 Silicon Dioxide

MAK (Austria)	Long-term value: 4 E mg/m ³
AGW (Germany)	Long-term value: 4 E mg/m ³ DFG, 2, Y

14808-60-7 Quartz (SiO₂) (.23%)

BOELV (EU)	Long-term value: 0.1* mg/m ³ *respirable fraction
MAK (Austria)	Long-term value: 0.05 A mg/m ³ siehe Anhang III C
VL (Belgium)	Long-term value: 0.1 mg/m ³ C;poussières alvéolaires
MAK (Germany)	alveolengängige Fraktion
VLEP (France)	Long-term value: 0.1 mg/m ³ pour la fraction alvéolaire
WEL (Great Britain)	Short-term value: 0.1 mg/m ³ , 0.1 ppm
TWA (Italy)	Long-term value: 0.025 mg/m ³ A2, (j)
OEL (Ireland)	Long-term value: 0.1 mg/m ³

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

(CONTINUED ON PAGE 5)



SAFETY DATA SHEET

Page 5/9

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: 16.08.2022

VERSION NUMBER: 6

REVISION: 16.08.2022

WARM SPRINGS™ 412 Fire Door Core

8.2 EXPOSURE CONTROLS

Personal protective equipment:

General protective and hygienic measures: 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.

For prolonged or repeated skin contact use suitable protective gloves. Impervious protective clothing and gloves recommended to prevent drying or irritation of skin.

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

Color: Pink

Odour: Low

pH-value @ 20° C: 7

Change in condition

Melting point/freezing point: Not determined.

Flash point: Not applicable.

Flammability (solid, gas): Not determined.

Ignition temperature: Not applicable.

Decomposition temperature: 1204° C

Auto-ignition temperature: Product is not self-igniting.

Explosive properties: Product does not present an explosion hazard.

(CONTINUED ON PAGE 6)

**SAFETY DATA SHEET**

Page 6/9

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: 16.08.2022

VERSION NUMBER: 6

REVISION: 16.08.2022

WARM SPRINGS™ 412 Fire Door Core

Explosion limits:**Lower:** Not determined.**Upper:** Not determined.**Vapour pressure:** Not applicable.**Density:** 1.12–1.37 kg/m³ (18–22 lbs./cu. ft.)**Relative density:** Not determined.**Vapor density:** Not applicable.**Evaporation rate:** Not applicable.**Solubility in / Miscibility with water:** Not miscible or difficult to mix.**Partition coefficient: n-octanol/water:** Not determined.**Viscosity:****Dynamic:** Not applicable.**Kinematic:** Not applicable.**Solvent content:****Solids content:** 100.0%

- **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:****7631-86-9 Silicon Dioxide**

Oral	LD50	10,000 mg/kg (Rat) (OECD 401)
Dermal	LD50	5,000 mg/kg (Rabbit) (OECD 402)
Inhalative	LC50/4 h	>140->2,000 mg/l (Rat) (OCED 403)
		Maximum attainable concentration, mortality does not appear.
		10,000 mg/l (Zebra fish) (OECD 203)

14808-60-7 Quartz (SiO₂)

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

(CONTINUED ON PAGE 7)

**SAFETY DATA SHEET**

Page 7/9

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: 16.08.2022

VERSION NUMBER: 6

REVISION: 16.08.2022

WARM SPRINGS™ 412 Fire Door Core

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

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

ADDITIONAL TOXICOLOGICAL INFORMATION:**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:**7631-86-9 Silicon Dioxide**

EC50 >1,000 mg/l (Daphnia) (OECD 202)

14808-60-7 Quartz (SiO₂)

EC50 218 mg/l (Green algae)

- 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: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

- 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 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.

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.

(CONTINUED ON PAGE 8)



SAFETY DATA SHEET

Page 8/9

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: 16.08.2022

VERSION NUMBER: 6

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WARM SPRINGS™ 412 Fire Door Core

- **14.3 TRANSPORT HAZARD CLASS(ES)**
ADR/ADN, ADN, IMDG, IATA
Class Non-Regulated Material.
- **14.4 PACKING GROUP**
ADR/ADN, 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. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

(CONTINUED ON PAGE 9)

**SAFETY DATA SHEET**

Page 9/9

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

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WARM SPRINGS™ 412 Fire Door Core

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 Irrit. 2:	Serious eye damage/eye irritation – Category 2
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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