

SAFETY DATA SHEET



Semi Rapid Flexible Tile Adhesive C2FTS1

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830
AS AMENDED BY UK REACH REGULATIONS SI 2019/758

Date of issue: 03/08/2023
Version: 1.0

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

- 1.1 Product identifier**
Product name Semi Rapid Flexible Tile Adhesive C2FTS1
Product type Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Cement based tile adhesive
Uses advised against Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification Tarmac,
Ground Floor,
T3 Trinity Park,
Bickenhill Lane,
Birmingham
B37 7ES
United Kingdom
Telephone +44 (0)345 812 6232
Fax Not available
E-mail (competent person) Info-cement@tamrac.com
- 1.4 Emergency telephone number**
National Poisons Information Service (United Kingdom) +44 (0) 3448 920111 24 hr. emergency phone number
Healthcare Professionals ONLY
Members of Public
NHS 24 111
Language(s) spoken: English

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain** Skin Irrit. 2; H315
Skin Sens. 1B; H317
Eye Dam. 1; H318
STOT SE 3; H335
- 2.2 Label elements** According to the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain
- Product name Semi Rapid Flexible Tile Adhesive C2FTS1
Contains: Cement, portland, chemicals and Calcium dihydroxide
- Hazard Pictogram(s)
- 
- Signal Word(s) DANGER
- Hazard Statement(s) H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

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Precautionary Statement(s)

P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
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.
P362+P364: Take off contaminated clothing and wash it before reuse.

Supplemental information

None known

2.3 Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

Classification: The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Chemical identity of the substance	%W/W	CAS No.	EC No.	UK-REACH Registration No.	Hazard classification
Cement, portland, chemicals	20 - 30	65997-15-1	266-043-4	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Dam. 1; H318 STOT SE 3; H335
Calcium dihydroxide	0 - 1	1305-62-0	215-137-3	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335

For full text of H phrases see section 16.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures
Self-protection of the first aider

No action should be taken involving personal risk. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash it before reuse.

Inhalation

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops and persists, get medical attention.

Skin contact

IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing immediately. If irritation (redness, rash, blistering) develops, get medical attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 15 minutes. If possible, use isotonic water (0.9% NaCl). Obtain prompt consultation, preferably from an ophthalmologist.

Ingestion

IF SWALLOWED: Wash out mouth with water. Give plenty of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. If irritation develops and persists, get medical attention.

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- | | | |
|------------|---|---|
| 4.2 | Most important symptoms and effects, both acute and delayed | Causes skin irritation. May cause burns. May cause an allergic skin reaction. |
| 4.3 | Indication of any immediate medical attention and special treatment needed | Causes serious eye damage. May cause respiratory irritation.
IF IN EYES: Obtain prompt consultation, preferably from an ophthalmologist. |

SECTION 5: FIREFIGHTING MEASURES

- | | | |
|------------|--|--|
| 5.1 | Extinguishing media
Suitable extinguishing media

Unsuitable extinguishing media | Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.
Do not use water jet. Direct water jet may spread the fire. |
| 5.2 | Special hazards arising from the substance or mixture | None known |
| 5.3 | Advice for firefighters | Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Avoid all contact. Keep containers cool by spraying with water if exposed to fire. Do not allow run-off from fire fighting to enter drains or water courses. Dispose of contaminated extinction water according to official regulations. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | | |
|------------|--|---|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Evacuate the area and keep personnel upwind. Ensure operatives are trained to minimise exposures. Eliminate sources of ignition. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash hands and exposed skin thoroughly after handling. Wear suitable protective clothing. Take off contaminated clothing and wash it before reuse. |
| 6.2 | Environmental precautions | Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. |
| 6.3 | Methods and material for containment and cleaning up | Wet clean or vacuum up solids. Use vacuum cleaner to collect spilt material. A vacuum equipped with HEPA (high efficiency particulate air) filtration is recommended. Collect in closed and suitable containers for disposal. Contain and dispose of waste according to local regulations. Ventilate the area and wash spill site after material pick-up is complete. |
| 6.4 | Reference to other sections | See Section: 8, 13. |

SECTION 7: HANDLING AND STORAGE

- | | | |
|------------|--|---|
| 7.1 | Precautions for safe handling | Ensure operatives are trained to minimise exposures. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash hands and exposed skin thoroughly after handling. Wear suitable protective clothing. Take off contaminated clothing and wash it before reuse. |
| 7.2 | Conditions for safe storage, including any incompatibilities
Storage temperature

Incompatible materials | Keep away from heat and moisture. Keep container tightly closed in a cool, well-ventilated place.
Store in a cool/low-temperature, well-ventilated (dry) place. Keep away from heat and sources of ignition.
Keep away from: Acids, Ammonium compounds, Aluminium. |
| 7.3 | Specific end use(s) | See Section: 1.2. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | |
|--------------|-------------------------------------|
| 8.1 | Control parameters |
| 8.1.1 | Occupational exposure limits |

SUBSTANCE	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m³)	STCL (ppm)	STCL (mg/m³)	Note
Portland cement	65997-15-1	-	10	-	-	-

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inhalable dust		-	4	-	-	
respirable dust		-	5	-	-	
Calcium hydroxide	1305-62-0	-	1	-	4	Respirable fraction

Source: WEL: Workplace Exposure Limit (UK HSE EH40).

8.1.2 Biological limit value	Not established
8.1.3 PNECs and DNELs	Exposure scenarios for substances in this preparation are not available.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Ensure adequate ventilation. Keep container tightly closed and dry. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.
8.2.2 Individual protection measures, such as personal protective equipment	Use personal protective equipment as required. Keep good industrial hygiene. Do not eat, drink or smoke at the work place. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash hands and exposed skin thoroughly after handling. Wear suitable protective clothing. Take off contaminated clothing and wash it before reuse. A washing facility/water for eye and skin cleaning purposes should be present.
Eye/ face protection 	Use eye protection according to EN 166, designed to protect against dusts. Ensure use of tightly-fitting safety goggles or full face shield.
Skin protection 	Hand protection: Wear impervious gloves (EN374). Gloves should be changed regularly to avoid permeation problems. Recommended: Nitrile rubber (Breakthrough time: 480 minutes, Minimum thickness of the glove material: 0.5 mm).
Respiratory protection 	Body protection: Body protection must be chosen depending on activity and possible exposure e.g. head protection, apron, protective boots. Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Thermal hazards	In case of inadequate ventilation wear respiratory protection. Wear a full face respirator conforming to EN140 with Type A/P2 filter or better.
8.2.3 Environmental exposure controls	Not applicable
	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Grey Powder
Odour	Not established
Odour threshold	Not established
pH	Not established
Melting point/freezing point	Not established
Initial boiling point and boiling range	Not established
Flash point	Not applicable

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Evaporation rate	Not applicable
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	Not established
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	Not established
Solubility(ies)	Not established
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature	Not established
Decomposition temperature	Not established
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidising properties	Not oxidising

9.2 Other information None known

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur under normal conditions of storage and use.
10.4 Conditions to avoid	Keep away from heat and moisture.
10.5 Incompatible materials	Keep away from: Acids, Ammonium compounds, Aluminium.
10.6 Hazardous decomposition products	None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (Dust)
Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Skin corrosion/irritation	Mixture: Skin Irrit. 2; H315: Causes skin irritation.
Cement, portland, chemicals	Skin Irrit. 2; H315: Causes skin irritation. No data available.
Calcium dihydroxide	Skin Irrit. 2; H315: Causes skin irritation. Irritating to skin (rabbit) (OECD 404) (Unnamed publication, 2004)
Serious eye damage/irritation	Mixture: Eye Dam. 1; H318: Causes serious eye damage.
Cement, portland, chemicals	Eye Dam. 1; H318: Causes serious eye damage. No data available.
Calcium dihydroxide	Eye Dam. 1; H318: Causes serious eye damage. Irreversible effects on the eye (rabbit) (OECD 405) (Unnamed publication, 1995)
Respiratory or skin sensitisation	Mixture: Skin Sens. 1B; H317: May cause an allergic skin reaction.
Cement, portland, chemicals	Skin Sens. 1B; H317: May cause an allergic skin reaction. No data available.
Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
STOT - single exposure	Mixture: STOT SE 3; H335: May cause respiratory irritation.
Cement, portland, chemicals	STOT SE 3; H335: May cause respiratory irritation. No data available.
Calcium dihydroxide	STOT SE 3; H335: May cause respiratory irritation. No data available.
STOT - repeated exposure	Mixture: Based upon the available data, the classification criteria are not met.
Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.
11.2 Other information	None known

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SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture: Based upon the available data, the classification criteria are not met.
12.2	Persistence and degradability	No data for the mixture as a whole.
	Cement, portland, chemicals	No data available.
	Calcium dihydroxide	Not applicable for inorganic substances.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Cement, portland, chemicals	No data available.
	Calcium dihydroxide	Not applicable for inorganic substances.
12.4	Mobility in soil	No data for the mixture as a whole.
	Cement, portland, chemicals	No data available.
	Calcium dihydroxide	The substance has low mobility in soil.
		Soluble in water.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB. None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6	Other adverse effects	None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of this material and its container as hazardous waste. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.
	Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	HP4: Irritant — skin irritation and eye damage HP13: Sensitising

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	Not assigned	Not assigned
14.2	UN proper shipping name	Not assigned	Not assigned
14.3	Transport hazard class(es)	Not assigned	Not assigned
14.4	Packing group	Not assigned	Not assigned
14.5	Environmental hazards	Not classified	Not classified
		Not classified as a Marine Pollutant.	
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	No information available.	No information available. No information available.

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use Annex III Inventory (REACH)	Not restricted
	BPR - Union List	Quartz (SiO ₂) (crystalline silica): Listed (Suspected carcinogen; Suspected mutagen).
	To follow:	Calcium dihydroxide: PT02, PT03
		Citric acid: PT02
		Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.
15.1.2	National regulations	
	United Kingdom	
	Authorisations and/or restrictions on use	Not restricted
	GB BPR - List of Active Substances	Calcium dihydroxide: Listed
		Citric acid: Listed

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GB CLP - Mandatory classification and labelling list
PIC (Prior Informed Consent) Regulation
Poisons Act
UK REACH – Grandfathered registration notified substances list

Citric acid: Listed
No components of the mixture are listed
No components of the mixture are listed
Calcium dihydroxide: Listed
Citric acid: Listed

Germany
15.2 Chemical Safety Assessment

Water hazard class: 1 (Self classification)
A chemical safety assessment is not required under REACH.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable - V1.0

References:

Existing Safety Data Sheet (SDS).

Existing ECHA registration(s) for Calcium dihydroxide (CAS No. 1305-62-0).

EU classification and labelling inventory Cement, portland, chemicals (CAS No. 65997-15-1)

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.
Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Classification of the substance or mixture. The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	Classification procedure
Skin Irrit. 2; H315	Additivity method
Skin Sens. 1B; H317	Threshold calculation
Eye Dam. 1; H318	Additivity method
STOT SE 3; H335	Threshold calculation

Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
EC	European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LC50	Lethal Concentration at which 50% of the population is killed
LD50	Lethal Dose at which 50% of the population is killed
LTEL	Long term exposure limit
OECD	Organisation for Economic Cooperation and Development
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	vPvB: very Persistent and very Bioaccumulative

Hazard classification / Classification code:

Skin Irrit. 2; Skin corrosion/irritation, Category 2
Skin Sens. 1B; Skin Sensitisation, Category 1B
Eye Dam. 1; Eye Damage, Category 1
STOT SE 3; Specific Target Organ Toxicity — Single Exposure, Category 3

Hazard Statement(s)

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

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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Annex to the extended Safety Data Sheet (eSDS)

Not applicable