



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

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

1.1 Product identifier

Product Name DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Cement based adhesive.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier

Company Identification Building Adhesives Limited

Address Longton Road

Trentham

Stoke on Trent

Postal code

ST4 8JB

Telephone:

+44 (0)1782 591100

Fax

Not known.

E-mail

sdsreply@building-adhesives.com

Office hours

8:30am-5pm, Mon-Fri (excluding bank holidays)

1.4 Emergency telephone number

Emergency Phone No. 01865 407 333 (24/7 all year)

Contact No information available.

National response centre

Address NHS Direct

Emergency Phone No. +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI Skin Irrit. 2 :Causes skin irritation.

2019/720 and UK SI 2020/1567 Skin Sens. 1B :May cause an allergic skin reaction.

Eye Dam. 1 :Causes serious eye damage.

STOT SE 3 :May cause respiratory irritation.

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

Product Name

DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

Hazard Pictogram(s)



GHS05



GHS07

Signal Word(s)

Danger

Hazard Statement(s)

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

H335: May cause respiratory irritation.

Precautionary Statement(s) P102: Keep out of reach of children.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/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.
 P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

When the cement-based powder is mixed with water or admixture, a strongly alkaline paste is produced. Cement-based products may, until set, cause both irritant and allergic contact dermatitis. Irritant contact dermatitis is due to a combination of the wetness, alkalinity and abrasiveness of the constituent materials. Allergic contact dermatitis is caused mainly by the sensitivity of the individual's skin to hexavalent chromium salts. Corrosive. Prolonged contact causes serious eye and tissue damage.

2.4 Additional Information

Contains Ordinary Portland Cement. The product is not expected to be hazardous to the environment.

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Quartz (SiO ₂)	14808-60-7	238-878-4	40-60	Not classified	None
Ordinary Portland Cement	65997-15-1	266-043-4	30-40	Skin Irrit. 2 H315 Skin Sens. 1B H317 Eye Dam. 1 H318 STOT SE 3 H335	GHS05 GHS07
Limestone	1317-65-3	215-279-6	2-7	Not classified	None
Calcium formate	544-17-2	208-863-7	<2.5	Eye Dam. 1 H318	GHS05

For full text of H/P Statements see section 16.



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove affected person to fresh air at once and keep comfortable for breathing. Get medical attention immediately if irritation persists.
Skin Contact	Remove contaminated clothing immediately and wash it before reuse. Wash the affected area thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye Contact	Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. Continue rinsing. Get medical attention immediately if irritation persists.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

If ingested, immediately call a POISON CENTRE/doctor. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid dust generation. Do not breathe dust. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable. Avoid contact with skin or inhalation of spillage or dust. Dampen spillage with water. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. Label the containers and remove from the area as soon as possible. Flush contaminated area with plenty of water.



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

6.4 Reference to other sections

See also section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep out of reach of children.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

See 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure

Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Portland cement inhalable dust	65997-15-1		10			
Portland cement respirable dust	65997-15-1		4			
Silica, respirable crystalline (respirable fraction)	14808-60-7		0.1			(t)
Limestone total inhalable	1317-65-3		10			
Limestone respirable	1317-65-3		4			

Region

Source

United Kingdom

UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark

Notes

(t)

Carc (where generated as a result of a work process)

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection Normally no personal respiratory protection is necessary. If ventilation is inadequate, suitable respiratory protection must be worn. Use respiratory equipment with particle filter P2.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid.
	Colour : Off-white
Odour	Almost odourless.
Odour threshold	Not known.
pH	>11.5.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Slightly soluble Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

None.



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Fire creates: carbon monoxide, carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Not classified.
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Causes skin irritation. Causes skin irritation.
Serious eye damage/irritation	Calculation method : Causes serious eye damage. Causes serious eye damage.
Skin sensitization data	Calculation method : May cause an allergic skin reaction. May cause sensitization by skin contact.
Respiratory sensitization data	Calculation method : Not classified. Not known
Germ cell mutagenicity	Calculation method : Not classified. Based on available data, the classification criteria are not met.
Carcinogenicity	Calculation method : Not classified. Based on available data, the classification criteria are not met.
Reproductive toxicity	Calculation method : Not classified. Based on available data, the classification criteria are not met.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : May cause respiratory irritation. Cement dust may irritate the throat and respiratory tract. Based on available data, the classification criteria are not met.
STOT - repeated exposure	Calculation method : Not classified. There is an indication of Chronic Obstructive Pulmonary Disease (COPD). The effects are acute and due to high exposures. No chronic effects or effects at low concentration have been observed.
Aspiration hazard	Calculation method : Not classified. Not relevant for this material.

11.2 Other information

Not known.



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates Low toxicity to invertebrates.

Toxicity - Fish Low toxicity to fish.

Toxicity - Algae Low toxicity to algae.

Toxicity - Sediment Not classified

Compartment

Toxicity - Terrestrial Not classified

Compartment

12.2 Persistence and degradability

After hydration, cement presents no toxicity risk.

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

Partly miscible with water.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Not listed

Substances of Very High Concern
for Authorisation

UK REACH Authorisation List Not listed

(Annex XIV) list of substances
subject to authorisation

UK REACH Restrictions List Cement, portland, chemicals (65997-15-1), calcium diformate

(Annex XVII) Restrictions on the (544-17-2)

manufacture, placing on the
market and use of certain
dangerous substances, mixtures
and articles

UK REACH Rolling Action Plan Not listed
(RAP)

The Persistent Organic Pollutants Not listed
Regulations 2007 (SI 2007/3106)
as amended

The Ozone-Depleting Substances Not listed
and Fluorinated Greenhouse
Gases (Amendment etc.) (EU
Exit) Regulations 2019 (SI
2019/583)

The Prior Informed Consent (PIC) Not listed
Regulations concerning the
export and import of hazardous
chemicals SI2008/2108 as
amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan Not listed
(CoRAP)

15.2 Chemical Safety Assessment

United Kingdom A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS05



GHS07



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

Hazard classification	<p>Skin Irrit. 2 : Skin corrosion/irritation, Category 2 Skin Sens. 1B : Skin sensitization, Category 1B Eye Dam. 1 : Serious eye damage/irritation, Category 1 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3</p>
Hazard Statement(s)	<p>H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H335: May cause respiratory irritation.</p>
Precautionary Statement(s)	<p>P102: Keep out of reach of children. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash hands and exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. 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 CENTRE/doctor. P312: Call a POISON CENTRE/doctor if you feel unwell. P321: Specific treatment (see Medical Advice on this label). P332+P313: If skin irritation occurs: Get medical advice/attention. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. 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 in accordance with local, state or national legislation.</p>
Acronyms	<p>ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration</p>



DUNLOP CS1-12 ULTRA FLEXIBLE TILE ADHESIVE

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

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Head of R+D

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Key literature references and sources for data used to compile the SDS

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

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