



SAFETY DATA SHEET CEMFLOW EXTERIOR TOPPING

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|-------------------------|--------------------------|
| Product name | CEMFLOW EXTERIOR TOPPING |
| Product number | B3886 |
| Internal identification | CEMEXTOP/8 |

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

| | |
|----------------------|--------------------------------|
| Identified uses | Cementitious flooring product. |
| Uses advised against | None |

1.3. Details of the supplier of the safety data sheet

| | |
|----------|--|
| Supplier | Don Construction Products Ltd., Hawthorn House Helions Bumpstead Road Haverhill Suffolk CB9 7AA Tel: 01538 361799 Mon-Fri 08:30 - 17:00 (excl bank holidays) Fax: 01538 361899 E-Mail: info.uk@dcp-int.com |
|----------|--|

1.4. Emergency telephone number

| | |
|---------------------|--|
| Emergency telephone | 01538 361799 Mon-Fri 8.30am - 5.00pm (excluding Bank Holidays) |
|---------------------|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|-----------------------|---------------------------------------|
| Physical hazards | Not Classified |
| Health hazards | Eye Dam. 1 - H318 Skin Sens. 1 - H317 |
| Environmental hazards | Not Classified |

Classification (67/548/EEC or 1999/45/EC) Xi;R36.

Human health Prolonged contact with moist or wet product may cause burns. When mixed with water or gauging liquid splashes may cause serious eye damage. This material contains a low level of soluble Chromium VI. A reducing agent has been added which will, when mixed, reduce the level of soluble Chromium (VI) to no more than 0.0002% (2ppm) of the total dry weight of cement providing the product is stored correctly as indicated in section 7, and used within the recommended shelf life for the product. Persons with a known sensitivity to Chromium VI would be advised not to use this product.

Environmental The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

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Physicochemical When handled correctly, undamaged units represent no danger.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary statements P264 Wash contaminated 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.
P313 Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.

Contains CEMENT

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | |
|------------------------|--|
| CEMENT | 1-10% |
| CAS number: 65997-15-1 | EC number: 266-043-4 |
| Classification | Classification (67/548/EEC or 1999/45/EC) |
| Skin Irrit. 2 - H315 | Xi;R41,R37/38. R43. |
| Eye Dam. 1 - H318 | |
| Skin Sens. 1 - H317 | |
| STOT SE 3 - H335 | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The product is a blend of cements and inorganic aggregates or fillers and may contain calcium carbonate, pulverised fuel ash, ground granulated blast furnace slag and small percentages of additives. The product may contain a low level of respirable crystalline silica.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Remove affected person from source of contamination.

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

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Eye contact Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Irritation of nose, throat and airway.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact May cause blurred vision and serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is non-combustible.

5.2. Special hazards arising from the substance or mixture

Specific hazards Dust may form explosive mixture with air. No unusual fire or explosion hazards noted.

Hazardous combustion products Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Wear chemical protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of dust. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid generation and spreading of dust. Preferably remove spillage with a vacuum cleaner. Collect spillage in containers, seal securely and deliver for disposal as hazardous waste.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid handling which leads to dust formation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Keep separate from food, feedstuffs, fertilisers and other sensitive material. The product must be stored under cover, in unopened bags clear of the ground in cool dry conditions, protected from frost and excessive draught.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SILICA SAND

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³

Short-term exposure limit (15-minute): WEL

CEMENT

Long-term exposure limit (8-hour TWA): WEL 10 total dust ; 4 respirable dust mg/m³

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

Ingredient comments The product may contain a low level of respirable crystalline silica (WEL 0.1 mg/m³; 8 hours TWA).

LITHIUM CARBONATE (CAS: 554-13-2)

| | |
|-------------|--|
| DNEL | - Inhalation; Long term systemic effects: 10 mg/m ³ - Dermal; Long term systemic effects: 64 mg/kg/day |
| PNEC | - Fresh water, Intermittent release; 0.9 mg/l - STP; 122 mg/l |

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

Personal protection

Always check applicability with your supplier of protective equipment.

Eye/face protection

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Break through times can vary depending on thickness, use and source. Change gloves regularly.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station. Promptly remove any clothing that becomes wet or contaminated. Wash promptly if skin becomes contaminated.

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| Respiratory protection | Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. A half mask dust respirator approved to EN 149 : 2001 FFP2 is recommended. Ensure that the mask fits tightly to ensure an efficient seal. |
| Environmental exposure controls | Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. |

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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| Appearance | Dusty powder. |
| Colour | Grey. |
| Odour | Slight. |
| Odour threshold | Not determined. |
| pH | pH (concentrated solution): High alkaline pH when mixed with water. |
| Melting point | Not determined. |
| Initial boiling point and range | Not applicable. |
| Flash point | Not applicable. |
| Evaporation rate | Not applicable. |
| Evaporation factor | Not applicable. |
| Flammability (solid, gas) | Not determined. |
| Upper/lower flammability or explosive limits | Not determined. |
| Other flammability | Not determined. |
| Vapour pressure | Not applicable. |
| Vapour density | Not applicable. |
| Relative density | Variable, depends on packing effects and temperature |
| Bulk density | Not determined. |
| Solubility(ies) | Slightly soluble in water. |
| Partition coefficient | Not applicable. |
| Auto-ignition temperature | Not determined. |
| Decomposition Temperature | Not determined. |
| Viscosity | Not determined. |
| Explosive properties | Not determined. |
| Explosive under the influence of a flame | Not considered to be explosive. |
| Oxidising properties | Not applicable. |
| Comments | Information given is applicable to the product in its ready-to-use form. |
| <u>9.2. Other information</u> | |
| Other information | None. |

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| Refractive index | Not determined. |
| Particle size | Not determined. |
| Molecular weight | Not determined. |
| Volatility | Not applicable. |
| Saturation concentration | Not determined. |
| Critical temperature | Not determined. |
| Volatile organic compound | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation. Avoid handling which leads to dust formation.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Acute toxicity - oral

Notes (oral LD₅₀) No specific test data are available.

Acute toxicity - dermal

Notes (dermal LD₅₀) No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No specific test data are available.

Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin.

Animal data

No specific test data are available.

Human skin model test

No specific test data are available.

Extreme pH

No specific test data are available.

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Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Skin sensitisation

Skin sensitisation Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

IARC carcinogenicity

Not listed.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure A single exposure may cause the following adverse effects: Asthma, pulmonary sensitisation.

Target organs Respiratory system, lungs

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

General information

Contains chromium (VI). May produce an allergic reaction.

Inhalation

Dust in high concentrations may irritate the respiratory system. The product may contain a small percentage of respirable crystalline silica. Prolonged exposure to dust may result in long term irreversible effects

Ingestion

Ingestion of small amounts is unlikely to cause a significant reaction. Larger doses may result in irritation to the gastro intestinal tract.

Skin contact

Prolonged or repeated contact with the powder or mixtures with water may cause burns and/or irritant contact dermatitis

Eye contact

Risk of serious damage to eyes.

Acute and chronic health hazards

Irritating to eyes. May cause skin sensitisation or allergic reactions in sensitive individuals.

Route of entry

Skin and/or eye contact

Target organs

Eyes Skin

Medical symptoms

Irritation of eyes and mucous membranes.

Medical considerations

Pre-existing eye problems. Skin disorders and allergies.

SECTION 12: Ecological Information

Ecotoxicity

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

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12.1. Toxicity

| | |
|--|-----------------|
| Toxicity | Not available |
| Acute toxicity - fish | Not determined |
| Acute toxicity - aquatic invertebrates | Not determined. |
| Acute toxicity - aquatic plants | Not determined. |
| Acute toxicity - microorganisms | Not determined. |
| Acute toxicity - terrestrial | Not determined. |
| Chronic toxicity - fish early life stage | Not determined. |
| Short term toxicity - embryo and sac fry stages | Not determined. |
| Chronic toxicity - aquatic invertebrates | Not determined. |

12.2. Persistence and degradability

| | |
|--------------------------------------|---|
| Persistence and degradability | There are no data on the degradability of this product. |
| Phototransformation | Not determined. |

12.3. Bioaccumulative potential

| | |
|----------------------------------|---------------------------------------|
| Bioaccumulative potential | No data available on bioaccumulation. |
| Partition coefficient | Not applicable. |

12.4. Mobility in soil

| | |
|--|------------------------------|
| Mobility | The product is non-volatile. |
| Adsorption/desorption coefficient | Not determined. |
| Henry's law constant | Not determined. |
| Surface tension | Not determined. |

12.5. Results of PBT and vPvB assessment

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|---|---|
| Results of PBT and vPvB assessment | This substance is not classified as PBT or vPvB according to current EU criteria. |
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12.6. Other adverse effects

| | |
|------------------------------|-------------|
| Other adverse effects | None known. |
|------------------------------|-------------|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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| Disposal methods | Small quantities may be mixed with water, allowed to cure fully and disposed of as low hazard waste. Larger quantities should be disposed of as hazardous waste via a licensed waste operator. |
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SECTION 14: Transport information

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General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

Guidance Workplace Exposure Limits EH40.
Safety Data Sheets for Substances and Preparations.

Health and environmental listings None of the ingredients are listed.

Authorisations (Title VII Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006) No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Don Construction Products Ltd. Technical Datasheet.

Key literature references and sources for data Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

Revision comments Section 1 update

Revision date 06/12/2016

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| | |
|----------------------------------|--|
| Revision | 8 |
| Supersedes date | 18/08/2016 |
| SDS status | Approved. |
| Risk phrases in full | R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R37/38 Irritating to respiratory system and skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. |
| Hazard statements in full | H315 Causes skin irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H318 Causes serious eye damage. H335 May cause respiratory irritation. H335 May cause respiratory irritation. |

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