

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

1.1. GHS product identifier

Product form : Mixture
Trade name : Prolong - Cement Grout - Dove Grey
Type of product : adhesives
Product code : PLCEMGRDVGRE
Product group : Trade product

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Tile Adhesive

1.4. Supplier's details

Manufacturer

Dura Paints (Pty) Ltd.
5 Wakefield Road; Founders View South.
P.O. Box 303
1610 Edenvale; Johannesburg – South Africa
T 011 452 5221
Contact: Lizel Rosemann

1.5. Emergency phone number

Emergency number : 079 494 2731 / 011 452 5221

SECTION 2: Hazard identification

2.1. GHS classification of the substance/mixture and any national or regional information

Classification according to the United Nations GHS

| | |
|--|------|
| Skin corrosion/irritation, Category 1 | H314 |
| Serious eye damage/eye irritation, Category 1 | H318 |
| Skin sensitisation, Category 1 | H317 |
| Specific target organ toxicity – Single exposure, Category 2 | H371 |
| Specific target organ toxicity – Single exposure, Category 3, | H335 |
| Respiratory tract irritation | |
| Specific target organ toxicity – Repeated exposure, Category 2 | H373 |

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : May cause respiratory irritation, Causes severe skin burns and eye damage, May cause an allergic skin reaction, Causes serious eye damage.

2.2. GHS label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA) :



Signal word (GHS-ZA) :

Danger

Hazardous ingredients :

Portland Cement; Calcium sulfate; Diiron trioxide; calcium oxide

Hazard statements (GHS ZA) :

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

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| | |
|-----------------------------------|---|
| Precautionary statements (GHS ZA) | H335 - May cause respiratory irritation H371 - May cause damage to organs (lungs) (Inhalation) H373 - May cause damage to organs (Respiratory tract) through prolonged or repeated exposure (Inhalation) : P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions. P260 - Do not breathe dusts or mists. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear eye protection, protective clothing, protective gloves. P305+P354+P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P317 - If skin irritation or rash occurs: Get medical help. P501 - Dispose of container to recycling. |
|-----------------------------------|---|

2.3. Other hazards which do not result in classification or are not covered by the GHS

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to the United Nations GHS |
|-----------------|---------------------|--------------|--|
| Portland Cement | CAS-No.: 65997-15-1 | 9.5 – 45.125 | Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335 |
| Diiron trioxide | CAS-No.: 1309-37-1 | 0 – 7.125 | Acute Tox. Not classified (Oral) STOT RE 2, H373 |
| Calcium sulfate | CAS-No.: 7778-18-9 | 0 – 4.75 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 1, H370 STOT RE Not classified Aquatic Acute 3, H402 |
| calcium oxide | CAS-No.: 1305-78-8 | 0 – 2.375 | Acute Tox. Not classified (Inhalation:dust,mist) Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE Not classified Aquatic Acute 3, H402 |

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Call a physician immediately. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. |

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| | |
|--------------------------------------|--|
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. Do not induce vomiting. Call a physician immediately. |

4.2. Most important symptoms/effect, acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Burns. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns. |

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|------------------------------|----------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. |
|------------------------------|----------------------------------|

5.2. Specific hazards arising from the chemical

| | |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

5.3. Special protective actions for fire-fighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. |
|----------------------|---|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | : Mechanically recover the product. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | : Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. |
| Hygiene measures | : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------|--|
| Storage conditions | : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
|--------------------|--|

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Portland Cement (65997-15-1) | |
|--|--|
| South Africa - Occupational Exposure Limits (Restricted Limits) | |
| Local name | Portland cement |
| RHCA - STEL/C | 10 mg/m ³ total inhalable dust 5 mg/m ³ respirable dust |
| Regulatory reference | Government Notice. R: 1179 |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) | |
| Local name | Portland cement |
| OEL TWA | 10 mg/m ³ inhalable particulate 5 mg/m ³ respirable particulate |
| Regulatory reference | Government Notice No. R 904 |
| Calcium sulfate (7778-18-9) | |
| South Africa - Occupational Exposure Limits (Restricted Limits) | |
| Local name | Calcium sulphate [including plaster of Paris and gypsum] |
| RHCA - STEL/C | 10 mg/m ³ (I: inhalable fraction) |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| Diiron trioxide (1309-37-1) | |
| South Africa - Occupational Exposure Limits (Restricted Limits) | |
| Local name | Iron oxide fume |
| RHCA - STEL/C | 10 mg/m ³ (R: respirable fraction) [as Fe] |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) | |
| Local name | Iron oxide |
| OEL TWA | 5 mg/m ³ dust and fume [as Fe] |
| OEL STEL | 10 mg/m ³ dust and fume [as Fe] |
| Regulatory reference | Government Notice No. R 904 |
| calcium oxide (1305-78-8) | |
| South Africa - Occupational Exposure Limits (Restricted Limits) | |
| Local name | Calcium oxide |
| RHCA - STEL/C | 4 mg/m ³ |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) | |
| Local name | Calcium oxide |
| OEL TWA | 2 mg/m ³ |
| Regulatory reference | Government Notice No. R 904 |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

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8.3. Individual protection measures, such as personal protective equipment

- Hand protection : Protective gloves
Eye protection : Safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

- Physical state : Solid
Appearance : Powder.
Colour : Grey.
Odour : No data available
Odour threshold : No data available
pH : No data available
pH solution : No data available
Relative evaporation rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : No data available
Melting point : No data available
Freezing point : Not applicable
Boiling point : No data available
Flash point : Not applicable
Auto-ignition temperature : Not applicable
Decomposition temperature : No data available
Flammability : Non flammable.
Vapour pressure : No data available
Vapour pressure at 50°C : No data available
Relative vapour density at 20°C : No data available
Relative density : No data available
Relative density of saturated gas/air mixture : No data available
Density : No data available
Relative gas density : No data available
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Partition coefficient n-octanol/water (Log Kow) : No data available
Viscosity, kinematic : Not applicable
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Not applicable
Lower explosion limit : No data available
Upper explosion limit : No data available
Physical state : Solid
Appearance : Powder.

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

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SECTION 10: Stability and Reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Calcium sulfate (7778-18-9) | |
|-----------------------------------|--|
| LD50 oral rat | > 1581 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Remarks on results: other: |
| LC50 Inhalation - Rat (Dust/Mist) | > 3.26 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other: |
| Diiron trioxide (1309-37-1) | |
| LD50 oral | > 5000 mg/kg bodyweight Animal: , Guideline: EU Method B.1 (Acute Toxicity (Oral)) |
| calcium oxide (1305-78-8) | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |
| LC50 Inhalation - Rat (Dust/Mist) | > 6.04 mg/l/4h Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method) |

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

| Calcium sulfate (7778-18-9) | |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years) | 256 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other: |
| NOAEL (chronic, oral, animal/female, 2 years) | 284 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other: |

Reproductive toxicity : Not classified
STOT-single exposure : May cause damage to organs (lungs) (Inhalation). May cause respiratory irritation.

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| Portland Cement (65997-15-1) | |
|--|---|
| STOT-single exposure | May cause respiratory irritation. |
| Calcium sulfate (7778-18-9) | |
| LOAEL (oral, rat) | ≈ 237 mg/kg bodyweight |
| NOAEL (oral, rat) | 79 – 790 mg/kg bodyweight |
| STOT-single exposure | Causes damage to organs. |
| calcium oxide (1305-78-8) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : May cause damage to organs (Respiratory tract) through prolonged or repeated exposure (Inhalation). |
| Calcium sulfate (7778-18-9) | |
| LOAEL (oral, rat, 90 days) | 237 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| Diiron trioxide (1309-37-1) | |
| LOAEC (inhalation, rat,dust/mist/fume, 90 days) | 0.2102 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study) |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | ≥ 0.03 mg/l air Animal: rat, Animal sex: male |
| STOT-repeated exposure | May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation). |
| calcium oxide (1305-78-8) | |
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| Aspiration hazard | : Not classified |
| Prolong - Cement Grout - Dove Grey | |
| Viscosity, kinematic | Not applicable |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : Before neutralisation, the product may represent a danger to aquatic organisms. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

| Calcium sulfate (7778-18-9) | |
|------------------------------------|--|
| LC50 - Fish [1] | > 79 mg/l Test organisms (species): <i>Oryzias latipes</i> |
| EC50 - Crustacea [1] | 79 – 1970 mg/l |
| EC50 72h - Algae [1] | > 79 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>) |
| ErC50 algae | ≈ 79 mg/l |
| Diiron trioxide (1309-37-1) | |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): <i>Daphnia magna</i> |
| EC50 - Other aquatic organisms [1] | > 100 mg/l Test organisms (species): |

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| Diiron trioxide (1309-37-1) | |
|-----------------------------|---|
| EC50 72h - Algae [1] | > 20 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| calcium oxide (1305-78-8) | |
| LC50 - Fish [1] | 50.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 49.1 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 184.57 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC (chronic) | 32 mg/l Test organisms (species): Crangon septemspinosa Duration: '14 d' |

12.2. Persistence and degradability

| Prolong - Cement Grout - Dove Grey | |
|------------------------------------|-------------------------------------|
| Persistence and degradability | No additional information available |

12.3. Bioaccumulative potential

| Prolong - Cement Grout - Dove Grey | |
|------------------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |

12.4. Mobility in soil

| Prolong - Cement Grout - Dove Grey | |
|------------------------------------|-------------------------------------|
| Mobility in soil | No additional information available |

12.5. Other adverse effects

| | |
|-----------------------|---------------------------------------|
| Ozone | : Not classified |
| Other adverse effects | : No additional information available |

SECTION 13: Disposal Considerations

13.1. Disposal methods

| | |
|-------------------------|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
|-------------------------|---|

SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

| SANS | IMDG | IATA |
|------------------------------------|----------------|----------------|
| 14.1. UN number | | |
| Not regulated for transport | | |
| 14.2. UN Proper Shipping Name | | |
| Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | |
| Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable |
| 14.4. Packing group, if applicable | | |
| Not applicable | Not applicable | Not applicable |

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| SANS | IMDG | IATA |
|--|---|------------------------------------|
| 14.5. Environmental hazards | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No |
| No supplementary information available | | |

14.6. Special precautions for user

SANS

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to IMO instructions

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 26/09/2023

| Full text of H-statements: | |
|----------------------------|---|
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| 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 |
| H335 | May cause respiratory irritation |
| H370 | Causes damage to organs |
| H371 | May cause damage to organs |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H402 | Harmful to aquatic life |

Safety Data Sheet (SDS), South Africa (HCA)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.