

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

#### 1.1. GHS product identifier

Product form	: Mixture
Trade name	: Prolong - Cement Adhesive - White
Type of product	: adhesives
Product code	: PLCEMADHW
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 damage to organs through prolonged or repeated exposure, May cause damage to organs, 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

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

Hazard statements (GHS ZA)	: H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction 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)
Precautionary statements (GHS ZA)	: 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	15 – 47.5	Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335
Diiron trioxide	CAS-No.: 1309-37-1	0 – 7.5	Acute Tox. Not classified (Oral) STOT RE 2, H373
Calcium sulfate	CAS-No.: 7778-18-9	0 – 5	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 – 2.5	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.

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
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. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 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 : Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. 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.

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

### 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.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

### 8.2. Appropriate engineering controls

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

### 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 : White.  
Odour : No data available  
Odour threshold : No data available  
pH : <  
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.

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

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

No additional information available

## 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.  
pH: <

Serious eye damage/irritation : Causes serious eye damage.  
pH: <

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

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.

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 Adhesive - White	
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> )

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

Calcium sulfate (7778-18-9)	
ErC50 algae	≈ 79 mg/l
Diiron trioxide (1309-37-1)	
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):
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 Adhesive - White	
Persistence and degradability	No additional information available

### 12.3. Bioaccumulative potential

Prolong - Cement Adhesive - White	
Bioaccumulative potential	No additional information available

### 12.4. Mobility in soil

Prolong - Cement Adhesive - White	
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.
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## 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



# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

SANS	IMDG	IATA
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
<b>14.4. Packing group, if applicable</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
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)

# Prolong - Cement Adhesive - White

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

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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.