

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

#### 1.1. GHS product identifier

Product form : Mixture  
Trade name : Dura - Hydro Prime - Biscuit  
Product code : HYDPRIM

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Light industrial coating applications

#### 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 Not classified  
Carcinogenicity, Category 2 H351  
Specific target organ toxicity – Repeated exposure, Category 2 H373  
Hazardous to the aquatic environment – Acute Hazard, Category 2 H401  
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411  
Full text of H-statements: see section 16  
Adverse physicochemical, human health and environmental effects : Suspected of causing cancer, May cause damage to organs through prolonged or repeated exposure, Toxic to aquatic life, Toxic to aquatic life with long lasting effects.

#### 2.2. GHS label elements, including precautionary statements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA) :



Signal word (GHS-ZA) : Warning  
Hazardous ingredients : Titanium dioxide; Ethylene Glycol (Regular)  
Hazard statements (GHS ZA) : H351 - Suspected of causing cancer (Inhalation)  
H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (Oral)  
H411 - Toxic to aquatic life with long lasting effects  
Precautionary statements (GHS ZA) : P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P260 - Do not breathe dust, mist, spray.

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P273 - Avoid release to the environment.  
P391 - Collect spillage.  
P501 - Dispose of container to recycling.

P-statements for label (GHS-ZA) : P102 - Keep out of reach of children.; P103 - Read carefully and follow all instructions.; P260 - Do not breathe dust, mist, spray.; P273 - Avoid release to the environment.; P391 - Collect spillage.; 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
Kaolin	CAS-No.: 1332-58-7	18 – 22	Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr./Irrit. Not classified
Zinc Phosphate	CAS-No.: 7779-90-0	1 – 8	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Titanium dioxide	CAS-No.: 13463-67-7	1 – 6	Acute Tox. Not classified (Inhalation:dust,mist) Carc. 2, H351
Ethelyne Glycol (Regular)	CAS-No.: 107-21-1	0.8 – 2	Acute Tox. 4 (Oral), H302 STOT RE 2, H373

## SECTION 4: First aid measures

### 4.1. Description of necessary first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.  
Symptoms/effects after skin contact : None under normal conditions.  
Symptoms/effects after eye contact : None under normal conditions.  
Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically.

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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : No fire hazard.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective actions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
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

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. 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".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and materials for containment and cleaning up

- For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
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 : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.  
Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Store locked up.  
Packaging materials : Store always product in container of same material as original container.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Titanium dioxide (13463-67-7)	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	Titanium dioxide
RHCA - STEL/C	10 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> total inhalable dust 5 mg/m <sup>3</sup> respirable dust
Remark	CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B)
Regulatory reference	Government Notice No. R. 280, 2021 Government Notice. R: 1179
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Titanium dioxide
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
Ethylene Glycol (Regular) (107-21-1)	
<b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>	
Local name	Ethylene glycol
OEL eight hour TWA	20 mg/m <sup>3</sup> (H: aerosol only)
RHCA - STEL/C	50 mg/m <sup>3</sup> (V: vapour fraction) 100 mg/m <sup>3</sup> (V: vapour fraction)
Remark	SKIN (danger of cutaneous absorption)
Regulatory reference	Government Notice No. R. 280, 2021
<b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b>	
Local name	Ethylene glycol (Ethane-1,2-diol; 1,2-Dihydroxyethane)
OEL TWA	20 mg/m <sup>3</sup>
OEL STEL	40 mg/m <sup>3</sup>
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.

#### 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)



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### 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	: Liquid
Appearance	: Liquid.
Colour	: Caramel
Odour	: Slight odour
Odour threshold	: No data available
pH	: > 8.8 – < 9.3
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
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	: No data available
Viscosity, dynamic	: > 900 – < 1000 cP
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Physical state	: Liquid
Appearance	: Liquid.

### 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.

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### 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

#### Titanium dioxide (13463-67-7)

LC50 Inhalation - Rat (Dust/Mist)	> 6.82 mg/l Source: ECHA
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#### Kaolin (1332-58-7)

LD50 oral rat	> 5000 mg/kg Source: HSDB
LD50 dermal rat	> 5000 mg/kg Source: HSDB
LC50 Inhalation - Rat (Dust/Mist)	≥ 5 mg/l Source: OSHRI GLP toxicity test

#### Ethylene Glycol (Regular) (107-21-1)

LD50 oral rat	6000 – 13000 mg/kg Source: Supplier SDS
LD50 dermal rabbit	> 2270 mg/kg Source: Supplier SDS
LC50 Inhalation - Rat	> 3.95 mg/l Source: Supplier SDS

Skin corrosion/irritation : Not classified.  
pH: > 8.8 – < 9.3  
Serious eye damage/irritation : Not classified  
pH: > 8.8 – < 9.3  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Suspected of causing cancer (Inhalation).  
Reproductive toxicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : May cause damage to organs (kidneys) through prolonged or repeated exposure (Oral).

#### Ethylene Glycol (Regular) (107-21-1)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life.  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

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<b>Titanium dioxide (13463-67-7)</b>	
LOEC (acute)	≈ 160 mg/l Fish, 4 Days; Source: ECHA
LOEC (chronic)	≈ 5 mg/l Crustacea, 21 Days; Source: ECHA
NOEC (acute)	0.004 – 0.08 mg/l 28 Dday, fish; Source: Echa
<b>Ethelyne Glycol (Regular) (107-21-1)</b>	
LC50 - Fish [1]	≈ 51000 mg/l Source: Supplier SDS
LC50 - Fish [2]	≈ 27540 (≤ 0) mg/l Source: Supplier SDS
EC50 - Crustacea [1]	46300 – 51100 mg/l Source: Supplier SDS
EC50 72h - Algae [1]	9500 – 13000 mg/l Source: Supplier SDS
NOEC chronic fish	≈ 15.38 g/l Source: ECHA
NOEC chronic crustacea	7.5 – 15 g/l Period: 21 days; Source: ECHA
NOEC chronic algae	≈ 100 mg/l Period: 72 hours; Source: ECHA

### 12.2. Persistence and degradability

<b>Dura - Hydro Prime - Biscuit</b>	
Persistence and degradability	Rapidly degradable
<b>Titanium dioxide (13463-67-7)</b>	
Persistence and degradability	
<b>Zinc Phosphate (7779-90-0)</b>	
Persistence and degradability	
<b>Kaolin (1332-58-7)</b>	
Persistence and degradability	
<b>Ethelyne Glycol (Regular) (107-21-1)</b>	
Persistence and degradability	

### 12.3. Bioaccumulative potential

<b>Dura - Hydro Prime - Biscuit</b>	
Bioaccumulative potential	No additional information available
<b>Ethelyne Glycol (Regular) (107-21-1)</b>	
Bioconcentration factor (BCF REACH)	< 100
Partition coefficient n-octanol/water (Log Kow)	≈ -1.36

### 12.4. Mobility in soil

<b>Dura - Hydro Prime - Biscuit</b>	
Mobility in soil	No additional information available

### 12.5. Other adverse effects

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

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### SECTION 13: Disposal Considerations

#### 13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

### SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
<b>14.1. UN number</b>		
Not regulated for transport		
<b>14.2. UN Proper Shipping Name</b>		
Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>		
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 : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
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. National regulations

##### 15.1.1. OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

#### Prohibited Hazardous Chemical Agents

Not regulated



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### 15.2. Safety, health, and environmental national regulations specific for the product

No additional information available

### SECTION 16: Other information

Issue date : 03/07/2023

#### Full text of H-statements:

H302	Harmful if swallowed
H332	Harmful if inhaled
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

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.