Dura Paints - Hydro Prime - Biscuit

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 10
Issue date: 7/3/2023 Revision date: 7/27/2026 Supersedes: 7/3/2023 Version: 1.1

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

1.1. GHS product identifier

Product form	:	Mixture
Trade name	:	Dura Paints - 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	:	Water-based coating for light industrial 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
orders@durapaints.co.za - www.durapaints.co.za

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 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Carcinogenicity, Category 2	H351
Specific target organ toxicity – Repeated exposure, Category 2	H373
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	:	When product is in liquid form, hazards related to inhalation are not present, but it contains substances that could be potential hazards if caused to become airborne due to abrasive processes,Suspected of causing cancer,May cause damage to organs through prolonged or repeated exposure,Causes skin irritation,Causes serious eye irritation,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	:	Aluminium oxide; Titanium dioxide
Hazard statements (GHS ZA)	:	H315+H319 - Causes skin irritation and serious eye irritation 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)	:	P101 - If medical advice is needed, have product container or label and product safety data sheet at hand. P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions. P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P273 - Avoid release to the environment. P280 - Wear eye protection, protective gloves, protective clothing. P308+P313 - If exposed or concerned: Get medical advice/attention P391 - Collect spillage. P405 - Store locked up. P501 - Dispose of container to recycling.
P-statements for label (GHS-ZA)	:	P101 - If medical advice is needed, have product container or label and product safety data sheet at hand.; P102 - Keep out of reach of children.; P273 - Avoid release to the environment.; P280 - Wear eye protection, protective gloves, protective clothing.; P391 - Collect spillage.; P405 - Store locked up.

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
Silicon dioxide	CAS-No.: 7631-86-9	12.564 – 15.356	Acute Tox. 4 (Dermal), H312 Acute Tox. Not classified (Inhalation:dust,mist) STOT RE Not classified Aquatic Acute Not classified Aquatic Chronic 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	1.009 – 6.011	Acute Tox. Not classified (Oral) Acute Tox. Not classified (Inhalation:dust,mist) Carc. 2, H351 Aquatic Chronic Not classified
Aluminium oxide	CAS-No.: 1344-28-1	3.222 – 3.938	Acute Tox. Not classified (Oral) Acute Tox. Not classified (Inhalation:dust,mist) STOT RE 1, H372 Aquatic Acute 1, H400
Sodium oxide	CAS-No.: 1313-59-3	1.98 – 2.42	Skin Corr. 1, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute Not classified Aquatic Chronic Not classified
Ethelyne Glycol (Regular)	-	0.8 – 2	Acute Tox. 4 (Oral), H302

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. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

Self protection of the first-aider : First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : None under normal conditions.

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. 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. 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".

Emergency procedures : Evacuate non-essential 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. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. 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 : Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silicon dioxide (7631-86-9)	
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Silica, amorphous
OEL TWA	6 mg/m³ inhalable particulate 3 mg/m³ respirable particulate
Regulatory reference	Government Notice No. R 904

Aluminium oxide (1344-28-1)	
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Aluminium oxides
OEL TWA	10 mg/m³ 5 mg/m³
Remark	[c] The OEL for Aluminium does not include exposure to aluminium coated with mineral oil, or to fume arising from aluminium welding processes.
Regulatory reference	Government Notice No. R 904

Titanium dioxide (13463-67-7)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Titanium dioxide
RHCA - STEL/C	10 mg/m³ 10 mg/m³ total inhalable dust 5 mg/m³ respirable dust
Remark	CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B)

Titanium dioxide (13463-67-7)	
Regulatory reference	Government Notice No. R. 280, 2021 Government Notice. R: 1179
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Titanium dioxide
OEL TWA	10 mg/m³ inhalable particulate 5 mg/m³ respirable particulate
Regulatory reference	Government Notice No. R 904

Ethelyne Glycol (Regular)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
OEL eight hour TWA	20 mg/m³ (H: aerosol only)
RHCA - STEL/C	50 mg/m³ (V: vapour fraction) 100 mg/m³ (V: vapour fraction)
Remark	SKIN (danger of cutaneous absorption)
Regulatory reference	Government Notice No. R. 280, 2021
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
OEL TWA	20 mg/m³
OEL STEL	40 mg/m³
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)

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.

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

Silicon dioxide (7631-86-9)	
LD50 oral rat	3160 mg/kg Source: TOMES; HAZARDTEXT
LD50 dermal rat	≥ 2000 mg/kg bodyweight Source: ECHA
LD50 dermal rabbit	> 5000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	5.01 mg/l Source: ECHA

Aluminium oxide (1344-28-1)	
LD50 oral rat	2000 – 15900 mg/kg bodyweight Source: ECHA
LC50 Inhalation - Rat	≈ 7.6 mg/l 60 min; Source: ECHA

Titanium dioxide (13463-67-7)	
LD50 oral rat	> 2000 – < 25000 mg/kg bodyweight Practically nontoxic; Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 3.43 – < 6.82 mg/l/4h Source: ECHA

Ethelyne Glycol (Regular)	
LD50 oral rat	6000 – 13000 mg/kg Source: Supplier SDS
LD50 dermal rat	> 22270 mg/kg bodyweight Source: Supplier SDS
LD50 dermal rabbit	> 2270 mg/kg Source: Supplier SDS
LC50 Inhalation - Rat	> 3.95 mg/l Source: Supplier SDS
LC50 Inhalation - Rat (Vapours)	> 3.95 mg/l/4h Source: Supplier SDS

Skin corrosion/irritation : Causes skin irritation.
pH: > 8.8 – < 9.3

Serious eye damage/irritation : Causes serious eye irritation.
pH: > 8.8 – < 9.3

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer (Inhalation).

Silicon dioxide (7631-86-9)	
IARC group	3 - Not classifiable

Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Sodium oxide (1313-59-3)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs (kidneys) through prolonged or repeated exposure (Oral).

Silicon dioxide (7631-86-9)	
NOAEL (oral, rat, 28 days)	> 2500 mg/kg bodyweight/day Source: ECHA
NOAEC (inhalation, rat, 28 days)	> 1.3 – < 46 mg/l Source: ECHA

Aluminium oxide (1344-28-1)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Silicon dioxide (7631-86-9)	
LC50 - Fish [1]	10000 mg/l Source: ECHA
EC50 - Crustacea [1]	> 5000 mg/l Source: ECHA
EC50 72h - Algae [1]	> 173.1 mg/l Source: ECHA
EC50 96h - Algae [1]	> 217.576 – < 217.6 mg/l Source: ECHA
LOEC (chronic)	≈ 149.2 mg/l Source: ECHA
NOEC (chronic)	> 68 – < 250 mg/l 21 days; Source: ECHA
NOEC chronic fish	> 57.001 – < 86.03 mg/l Source: ECHA
NOEC chronic algae	> 42.1 – < 42.11 mg/l Source: ECHA

Aluminium oxide (1344-28-1)	
LC50 - Fish [1]	78 – 218644.1 µg/l Source: ECHA
EC50 - Crustacea [1]	1.5 – 500 mg/l Source: ECHA
EC50 - Crustacea [2]	5.7 – 5000000 µg/l Source: ECHA
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (acute)	≈ 5.314 mg/l (7 days); Source: ECHA
NOEC (chronic)	4.7 – 2.31 mg/l (28 days); Source: ECHA
NOEC chronic crustacea	0.2326 – 0.4538 mg/l (42 days); Source: ECHA
NOEC chronic algae	≈ 1 g/l (6 days); Source: ECHA

Sodium oxide (1313-59-3)	
LC50 - Fish [1]	208000000 mg/l Source: QSAR
EC50 96h - Algae [1]	56800000 mg/l Source: QSAR

Titanium dioxide (13463-67-7)	
EC50 - Crustacea [1]	> 2.41 – < 103.9 mg/l Source: ECHA
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):
EC50 72h - Algae [1]	≥ 100 mg/l Source: ECHA
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
NOEC (chronic)	≥ 100 mg/l 28 days; Source: ECHA
NOEC chronic fish	> 80 – < 160 mg/l 6 days; Source: ECHA

Ethelyne Glycol (Regular)	
LC50 - Fish [1]	≈ 51000 mg/l Source: Supplier SDS

Ethelyne Glycol (Regular)	
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

Dura Paints - Hydro Prime - Biscuit	
Persistence and degradability	Rapidly degradable

Silicon dioxide (7631-86-9)	
Persistence and degradability	

Aluminium oxide (1344-28-1)	
Persistence and degradability	

Sodium oxide (1313-59-3)	
Persistence and degradability	

Titanium dioxide (13463-67-7)	
Persistence and degradability	

Zinc Phosphate (7779-90-0)	
Persistence and degradability	

Ethelyne Glycol (Regular)	
Persistence and degradability	

12.3. Bioaccumulative potential

Dura Paints - Hydro Prime - Biscuit	
Bioaccumulative potential	No additional information available

Silicon dioxide (7631-86-9)	
Partition coefficient n-octanol/water (Log Kow)	≈ 0.53 @ 25 °C and pH 7; Source: ECHA

Ethelyne Glycol (Regular)	
Bioconcentration factor (BCF REACH)	< 100
Partition coefficient n-octanol/water (Log Kow)	≈ -1.36 Source: Supplier SDS

12.4. Mobility in soil

Dura Paints - Hydro Prime - Biscuit	
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

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.
Ecological waste information	:	The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.
Additional information	:	Do not re-use empty containers.

SECTION 14: Transport information

In accordance with SANS / UN RTDG / IMDG / IATA

SANS	UN RTDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. UN Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
Transport document description			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
	 Not applicable		
14.4. Packing group, if applicable			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment : Yes	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

UN RTDG
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

15.1.2. National Environmental Management Act, 1998

Regulation No. 51358 (Prior Informed Consent Procedure Regulations, 2024)
Not regulated

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

State or local regulations : This product complies with South African legal lead limit of 90ppm or less.

SECTION 16: Other information

Issue date : 03/07/2023
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Supersedes : 03/07/2023

Full text of H-statements:	
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H402	Harmful 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.