Dura Paints - Hydro Clean

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 10
Issue date: 5/9/2023 Revision date: 2/11/2026 Supersedes: 2/11/2026 Version: 3.4

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 Clean
Type of product	:	Cleaning agent
Product code	:	HYDCLN
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

Recommended use	:	Surface cleaner and preparation product for steel

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

Serious eye damage/eye irritation, Category 2	H319
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	:	May cause damage to organs through prolonged or repeated exposure,Causes mild skin irritation,Causes serious eye irritation.

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	:	2-(2-butoxyethoxy)ethanol
Hazard statements (GHS ZA)	:	H319 - Causes serious eye irritation H373 - May cause damage to organs (kidneys, liver, central nervous system, Skin, eyes) through prolonged or repeated exposure (Oral, Inhalation, Dermal) 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.
P280 - Wear eye protection, protective clothing, protective gloves.
P260 - Do not breathe dusts or mists.
P262 - Do not get in eyes, on skin, or on clothing.
P273 - Avoid release to the environment.
P501 - Dispose of container to recycling, according to local regulations.

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.; P103 - Read carefully and follow all instructions.; P280 - Wear eye protection, protective clothing, protective gloves.; P260 - Do not breathe dusts or mists.; P262 - Do not get in eyes, on skin, or on clothing.; P273 - Avoid release to the environment.; P501 - Dispose of container to recycling, according to local regulations.

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
2-(2-butoxyethoxy)ethanol	CAS-No.: 112-34-5	24.75 – 34.65	Flam. Liq. Not classified Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Chronic Not classified
Nonylphenol, ethoxylated	CAS-No.: 9016-45-9	0.99 – 4	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label and product safety data sheet at hand.

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. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

Self protection of the first-aider : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects : Causes skin irritation. May cause damage to eyes.

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Adverse symptoms may include pain, irritation, watering and redness. Blurred vision.

Symptoms/effects after ingestion : None under normal conditions.

Chronic symptoms : Prolonged or repeated contact with the skin may cause dermatitis.

Expected Symptoms/Effects, Acute and Delayed : No specific delayed systemic effects are expected from normal use of the wet product.

Potential adverse human health effects and symptoms : Causes skin irritation. Serious eye damage/irritation.

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.
Personal protection (Emergency response) : Fire-resistant protective clothing,Use breathing equipment (SCBA)
:



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 : Absorb spilled material with sand or earth. 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.
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	:	Avoid all contact with skin, eyes, or clothing. Avoid breathing mist, spray, vapours. Provide local exhaust or general room ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Use explosion-proof equipment. Wear personal protective equipment.
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 in tightly sealed containers in a cool, dry, well-ventilated area. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Packaging materials	:	Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL Sources	:	LISAM.
BLV Sources	:	LISAM.

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

Materials for protective clothing	:	Chemical resistant overalls
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	:	Clear, colorless liquid.
Colour	:	Colourless
Odour	:	Barely perceptible
Odour threshold	:	No data available
pH	:	> 5 – < 8 Estimated
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	:	< 0 °C Estimated
Boiling point	:	> 100 °C Estimated
Flash point	:	> 75 – < 100 °C Estimated - because of Diethylene Glycol Monobutyl Ether content.
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability	:	Non flammable
Vapour pressure	:	Low
Vapour pressure at 50°C	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	≈ 1.02 Standard
Relative density of saturated gas/air mixture	:	No data available
Density	:	> 0.98 – < 1.02 g/cm³ Estimated at 20-25°C
Relative gas density	:	No data available
Solubility	:	Miscible with water.
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	:	Low to moderate, slightly higher than water
Explosive properties	:	Non-explosive.
Oxidising properties	:	Non-explosive.
Explosive limits	:	No data available
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Physical state	:	Liquid
Appearance	:	Clear, colorless 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

Likely routes of exposure : Dermal. Inhalation. Ingestion.

11.1. Information on toxicological effects

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

Acute toxicity (inhalation) : Not classified

Nonylphenol, ethoxylated (9016-45-9)	
LD50 oral	4290 mg/kg bodyweight Animal: other:, Guideline: EU Method B.1 (Acute Toxicity (Oral))

2-(2-butoxyethoxy)ethanol (112-34-5)	
LD50 oral rat	≥ 2410 mg/kg bodyweight Source: ECHA
LD50 dermal rabbit	≈ 2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645

Skin corrosion/irritation : Not classified
pH: > 5 – < 8 Estimated

Serious eye damage/irritation : Causes serious eye irritation.
pH: > 5 – < 8 Estimated

Respiratory or skin sensitization : Prolonged or repeated contact with the skin may cause dermatitis

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Nonylphenol, ethoxylated (9016-45-9)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs (kidneys, liver, central nervous system, Skin, eyes) through prolonged or repeated exposure (Oral, Inhalation, Dermal).

2-(2-butoxyethoxy)ethanol (112-34-5)	
NOAEL (oral, rat, 28 days)	≥ 250 mg/kg bodyweight/day Source: ECHA
NOAEL (dermal, rat/rabbit, 28 days)	≥ 200 mg/kg bodyweight/day rat; Source: ECHA
NOAEC (inhalation, rat, gas, 28 days)	≥ 94 mg/l rat; Source: ECHA
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	< 200 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Causes skin irritation. Serious eye damage/irritation.

Expected Symptoms/Effects, Acute and Delayed : No specific delayed systemic effects are expected from normal use of the wet product.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.

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.

2-(2-butoxyethoxy)ethanol (112-34-5)	
LC50 - Fish [1]	≈ 1300 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	≥ 100 mg/l Test organisms (species): Daphnia magna

2-(2-butoxyethoxy)ethanol (112-34-5)	
EC50 96h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC chronic crustacea	≈ 100 mg/l Source: ECHA
NOEC chronic algae	≥ 100 mg/l 4 day; Source: ECHA

12.2. Persistence and degradability

Dura Paints - Hydro Clean	
Persistence and degradability	Rapidly degradable

Nonylphenol, ethoxylated (9016-45-9)	
Persistence and degradability	

2-(2-butoxyethoxy)ethanol (112-34-5)	
Persistence and degradability	

12.3. Bioaccumulative potential

Dura Paints - Hydro Clean	
Bioaccumulative potential	No additional information available

Nonylphenol, ethoxylated (9016-45-9)	
Partition coefficient n-octanol/water (Log Kow)	> 3.7 – < 4.48 @ 25 °C; Source: ECHA

2-(2-butoxyethoxy)ethanol (112-34-5)	
Partition coefficient n-octanol/water (Log Pow)	≈ 1 @ 20 °C and pH7; Source: ECHA
Partition coefficient n-octanol/water (Log Kow)	≈ 1 @ 20 °C and pH7; Source: ECHA

12.4. Mobility in soil

Dura Paints - Hydro Clean	
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. South Africa's Waste Act (Act 59 of 2008).
Waste treatment methods : Unwanted product may be brushed onto absorbent material, such as newspaper or cardboard, allowed to dry completely in a well-ventilated area, and disposed of via waste collection.
Sewage disposal recommendations : Do not dispose of waste into sewer or stormwater systems.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Empty containers should be recycled or disposed of through an approved waste contractor.
Ecological waste information : Consider the handling and disposal of the waste as defined by the product itself.

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

No additional information available

SECTION 16: Other information

Issue date : 05/09/2023
Revision date : 02/11/2026
Supersedes : 02/11/2026

Section	Changed item	Comments
1	Type of product	**Modified**
1.1	Product code	**Modified**
2	Hazard statements (GHS ZA)	**Added**
2	Precautionary statements (GHS ZA)	**Added**
2	Signal word (GHS-ZA)	**Added**
2	Hazard pictograms (GHS ZA)	**Added**
2.1	GHS ZA classification	**Added**
2.1	Adverse physicochemical, human health and environmental effects	**Modified**
3	Composition/information on ingredients	**Modified**
4	First-aid measures after eye contact	**Modified**
4	Symptoms/effects after inhalation	**Modified**
4	Symptoms/effects after eye contact	**Modified**
4	First-aid measures general	**Modified**
6	Emergency procedures	**Modified**
7.1	Precautions for safe handling	**Modified**
9	Relative evaporation rate (butylacetate=1)	**Removed**
9	Relative density	**Modified**
11	Respiratory or skin sensitisation - Comment	**Added**

Full text of H-statements:	
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very 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.