Prolong - Bituproof Fibre

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 10
Issue date: 11/20/2024 Revision date: 10/21/2026 Supersedes: 7/21/2026 Version: 1.2

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

1.1. GHS product identifier

Product form	:	Mixture
Trade name	:	Prolong - Bituproof Fibre
Type of product	:	Coatings
Product code	:	PLBITUPROOF
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	:	Water based, non-toxic sealant and waterproofing agent

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 1	H314
Serious eye damage/eye irritation, Category 1	H318
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 (lung/respiratory system) through prolonged or repeated exposure (inhalation).

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	:	Bitumen; 2-Propenoic acid, homopolymer
Hazard statements (GHS ZA)	:	H314 - Causes severe skin burns and eye damage H373 - May cause damage to organs (Skin, eyes, Respiratory tract) through prolonged or repeated exposure (Inhalation, Dermal)
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.

P-statements for label (GHS-ZA)	:	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. P501 - Dispose of container to recycling, according to local regulations. 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.; 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
Bitumen	CAS-No.: 8052-42-4	59.67 – 62.6535	Acute Tox. Not classified (Oral) STOT RE 2, H373 Aquatic Acute Not classified Aquatic Chronic Not classified
2-Propenoic acid, homopolymer	CAS-No.: 9003-01-4	0 – 7.956	Flam. Liq. Not classified Acute Tox. 4 (Oral), H302 Acute Tox. Not classified (Inhalation:dust,mist) Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general	:	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	:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	:	Rinse mouth out with water. Give water to drink if victim completely conscious/alert. Do not induce vomiting because of corrosive effects. Get medical attention immediately if symptoms occur.
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 severe skin burns and eye damage. May cause respiratory irritation.
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	:	May cause skin irritation / dermatitis / skin burns.

Symptoms/effects after eye contact	:	Serious damage to eyes. Adverse symptoms may include pain, irritation, watering and redness. Risk of blurred vision.
Symptoms/effects after ingestion	:	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Chronic symptoms	:	Repeated exposure to dried coating dust may cause respiratory irritation.
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. May cause respiratory irritation.

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

Treat symptomatically. Eyes may be rinsed with a weak acetic acid solution, under medical supervision.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.

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)	:	Self-contained breathing apparatus,Use breathing equipment (SCBA),Fire-resistant 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.
Personal Precautions, Protective Equipment and Emergency Procedures	:	Avoid contact with eyes. Avoid contact with skin. Complete protective clothing.

6.1.1. For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Ventilate spillage area. Do not breathe dust, mist, spray, fume. 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. Notify authorities if product enters sewers or public waters.

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. 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. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe mist, 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.
Handling temperature : > 10 – < 40 °C
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 : Keep only in the original container in a cool, well-ventilated place away from: Direct sunlight, Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep container tightly closed.
Packaging materials : Always store product in container of same material as original container.
Material used in packaging/containers : steel, hdpu or approved chemical drums.
Maximum storage period : ≤ 6 months From date of manufacture, if stored correctly in original, unopened containers
Storage temperature : ≤ 50 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bitumen (8052-42-4)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Asphalt, petroleum fumes
RHCA - STEL/C	1 mg/m³ (I: inhalable fraction)
Remark	CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B)
Regulatory reference	Government Notice No. R. 280, 2021
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Asphalt
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Government Notice No. R 904

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 : Wear protective clothing

Hand protection	:	Protective gloves
Eye protection	:	Wear security glasses which protect from splashes
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	:	Viscous liquid.
Colour	:	dark brown
Odour	:	Slight odour
Odour threshold	:	No data available
pH	:	> 9 – < 12 (anionic emulsion); 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	:	≈ 110 °C 20% Solution
Flash point	:	Not applicable (water-based emulsion)
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	:	≈ 1.19 Typically
Relative density of saturated gas/air mixture	:	No data available
Density	:	No data available
Relative gas density	:	No data available
Solubility	:	Soluble in 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	:	> 100 – < 5000 mPa·s Typically
Explosive properties	:	Non-explosive.
Oxidising properties	:	Non oxidizing.
Explosive limits	:	No data available
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Physical state	:	Liquid
Appearance	:	Viscous 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

Bitumen (8052-42-4)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

2-Propenoic acid, homopolymer (9003-01-4)	
LD50 oral rat	≈ 1500 mg/kg bw/day Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:
LC50 Inhalation - Rat	> 5.1 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Causes severe skin burns.
pH: > 9 – < 12 (anionic emulsion); Estimated

Serious eye damage/irritation : Causes serious eye damage.
pH: > 9 – < 12 (anionic emulsion); Estimated

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

2-Propenoic acid, homopolymer (9003-01-4)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs (Skin, eyes, Respiratory tract) through prolonged or repeated exposure (Inhalation, Dermal).

Bitumen (8052-42-4)	
LOAEL (dermal, rat/rabbit, 90 days)	≥ 200 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEL (subacute, oral, 28 days)	> 2000 mg/kg bodyweight/day Specimen: Rabbit; Source: ECHA
NOAEL (dermal, rat/rabbit, 90 days)	≥ 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

2-Propenoic acid, homopolymer (9003-01-4)	
LOAEL (oral, rat, 90 days)	< 100 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
NOAEL (oral, rat, 28 days)	≈ 40 mg/kg bodyweight/day Source: ECHA
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. May cause respiratory 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 : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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

Hazardous to the aquatic environment, long–term (chronic) : Not classified

Bitumen (8052-42-4)	
LC50 - Fish [1]	≥ 1 g/l Source: ECHA

2-Propenoic acid, homopolymer (9003-01-4)	
EC50 - Crustacea [1]	≈ 47 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	≈ 95 mg/l Test organisms (species): Daphnia magna
NOEC chronic algae	≈ 0.03 mg/l Source: ECHA

12.2. Persistence and degradability

Prolong - Bituproof Fibre	
Persistence and degradability	Not rapidly degradable

Bitumen (8052-42-4)	
Persistence and degradability	

2-Propenoic acid, homopolymer (9003-01-4)	
Persistence and degradability	

12.3. Bioaccumulative potential

Prolong - Bituproof Fibre	
Bioaccumulative potential	No additional information available

2-Propenoic acid, homopolymer (9003-01-4)	
Partition coefficient n-octanol/water (Log Kow)	> 0.23 – < 0.27 @ 20 °C and pH 3.59 - 3.63; Source: ECHA

12.4. Mobility in soil

Prolong - Bituproof Fibre	
Mobility in soil	No additional information available

2-Propenoic acid, homopolymer (9003-01-4)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 453 at 20°C; Source: ECHA

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			
TARS, LIQUID	Not applicable	TARS, LIQUID	Tars, liquid
Transport document description			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
3	Not applicable	3	3
	Not applicable		
14.4. Packing group, if applicable			
III	Not applicable	III	III

SANS	UN RTDG	IMDG	IATA
14.5. Environmental hazards			
Dangerous for the environment : No	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

Special provisions (SANS) : 223
Limited quantities (SANS) : 5 L
Excepted quantities (SANS) : E1
Packagings, large packagings and IBCs Packing instructions (SANS) : P001, IBC03, LP01
Portable tank and bulk containers instructions (SANS) : T1
Portable tank and bulk container special provisions (SANS) : TP3

UN RTDG

No data available

IMDG

Special provisions (IMDG) : 955
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T1
Tank special provisions (IMDG) : TP3
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG) : A
Properties and observations (IMDG) : Mobile liquids prepared by mixing asphalt with petroleum distillate. Pungent odour. Immiscible with water.

IATA

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

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 : 20/11/2024
Revision date : 21/10/2026
Supersedes : 21/07/2026

Full text of H-statements:	
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H410	Very 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.