

SECTION 1: Product identifier

1.1. Product identifier

Product form : Mixture
Product name : HARDBAVE - LIGHT GREY
Product code : 4154 - LIGHT GREY

1.2. Other means of identification

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Coatings and paints, thinners, paint removers

1.4. Supplier's details

Endura Paint PTY LTD
Unit 2/61 Miguel Road
Bibra Lake WA 6163 - Australia
T +61 (08) 9418 2999
www.phoenixpaints.com.au

1.5. Emergency phone number

Emergency number : In the event of an emergency involving dangerous goods: In Australia call CHEMTREC at Local (Sydney) +62 2 9037 2994 or Toll Free 1800 862 115. In New Zealand call CHEMTREC at Local (Auckland) +64 9-801 0034 or Toll Free 0800 425 459 24 hours/7days (Account Name Endura Paint Pty Ltd.)

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Carcinogenicity, Category 2 H351
Reproductive toxicity, Category 1B H360
Specific target organ toxicity – Repeated exposure, Category 2 H373

2.2. Label elements

Hazard pictograms (GHS AU) :



Signal word (GHS AU) : Danger

Contains : Titanium dioxide (5 – 10 %); quartz, conc respirable crystalline silica ≥ 10% (5 – 10 %); dibutyl phthalate (< 5 %)

Hazard statements (GHS AU) : H351 - Suspected of causing cancer
H360 - May damage fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS AU) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P314 - Get medical advice/attention if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

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according to the Work Health and Safety (WHS) Regulations

Name	CAS-No.	compound type	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Titanium dioxide	13463-67-7		5 – 10	Carc. 2, H351
quartz, conc respirable crystalline silica $\geq$ 10%	14808-60-7		5 – 10	STOT RE 1, H372

SECTION 4: First aid measures

4.1. Description of 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. Symptoms caused by exposure

- Symptoms/effects after inhalation : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : May cause moderate irritation.
- Symptoms/effects after eye contact : May cause eye irritation.
- Symptoms/effects after ingestion : Harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

5.3. Special protective equipment and precautions 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 : Only qualified personnel equipped with suitable protective equipment may intervene. 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".

6.2. Environmental precautions

- Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

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according to the Work Health and Safety (WHS) Regulations

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. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly.
- Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

Titanium dioxide (13463-67-7)		
USA - ACGIH	Local name	Titanium dioxide
USA - ACGIH	ACGIH OEL TWA	10 mg/m ³
USA - ACGIH	Remark (ACGIH)	LRT irr; A3

quartz, conc respirable crystalline silica ≥ 10% (14808-60-7)		
USA - ACGIH	ACGIH OEL TWA	0.025 mg/m ³ (Respirable fraction)

Exposure limit values for the other components

8.2. Monitoring

8.3. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Personal protective equipment

- Hand protection : Protective gloves
- Eye protection : Safety glasses
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.



- Environmental exposure controls : Avoid release to the environment.

9.1. SECTION 9: Physical and chemical properties

- Physical state : Liquid
- No data availableColour : Mixture contains one or more component(s) which have the following colour(s): White Colourless Colourless or white Colourless to white Blue-green White to yellow-grey White to light yellow Colourless to light yellow Pure substance: white Unpurified: coloured Yellow to amber White to light grey Dark grey to black
- Odour : Odour threshold is subjective and inadequate to warn for overexposure. Mixture contains one or more component(s) which have the following odour: Odourless Irritating/pungent odour Mild odour Aromatic odour Almost odourless Characteristic odour

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Odour threshold	: No data available
pH	: 7.5 – 8.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point : Not applicable
Boiling point	: ≈ 100 °C
Flash point	: > 60 °C
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density : 1.606 g/cm ³
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available
Percent Solids (Weight)	: 76.65 %
Percent Solids (Volume)	: 62.513 %
Percent Volatile (Weight)	: 23.35 %
Percent Volatile (Volume)	: 37.487 %

10.1. SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport. The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11.1. SECTION 11: Toxicological information

Likely routes of exposure	: Dermal. Inhalation. Skin and eyes contact
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))
quartz, conc respirable crystalline silica ≥ 10% (14808-60-7)	
LD50 oral rat	> 5000 mg/kg

Skin corrosion/irritation	: Not classified pH: 7.5 – 8.5
Serious eye damage/irritation	: Not classified pH: 7.5 – 8.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: May damage fertility or the unborn child.

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

HARDDPAVE - LIGHT GREY	
Density	1.606 g/cm ³

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

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

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
EC50 - Crustacea [1]	0.007 mg/l (48 h, Acartia tonsa, Salt water, Experimental value, GLP)
BCF - Fish [1]	41 – 54 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	0.75 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 24 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.81 – 1 (log Koc, Calculated value)

pentapotassium triphosphate (13845-36-8)	
LC50 - Fish [1]	1850 mg/l (AFNOR, 24 h, Danio rerio, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 100 mg/l (EPA OTS 797.1930, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

tetrapotassium pyrophosphate, anhydrous (7320-34-5)	
LC50 - Fish [1]	> 750 mg/l (LC50; 48 h)

dipotassium hydrogen phosphate, anhydrous (7758-11-4)	
LC50 - Fish [1]	> 900 mg/l (48 h, Leuciscus idus, Static system)

magnesium nitrate (10377-60-3)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Lethal)
EC50 - Crustacea [1]	490 mg/l (48 h, Daphnia magna, Fresh water, Read-across)

copper(II) nitrate (3251-23-8)	
LC50 - Fish [1]	38.4 – 256.2 µg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Read-across)
EC50 - Crustacea [1]	33.8 µg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Weight of evidence)
BCF - Fish [1]	200 – 667 (Pisces, Cu ion)
BCF - Other aquatic organisms [1]	471 (168 h, Daphnia magna, Cu ion)
BCF - Other aquatic organisms [2]	2400 (168 h, Daphnia magna, Cu ion)

4-nonylphenol, branched, ethoxylated (127087-87-0)	
LC50 - Fish [1]	11.6 mg/l (48 h, Oryzias latipes, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	14 mg/l (48 h, Daphnia magna, Static renewal, Fresh water, Experimental value)
BCF - Fish [1]	7.6 – 12.4 l/kg (6 week(s), Cyprinus carpio, Static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	5.67 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.631 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)

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ZINC OXIDE WHITE SEAL (1314-13-2)	
EC50 - Crustacea [2]	0.33 – 0.66 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Read-across)
Partition coefficient n-octanol/water (Log Pow)	1.53 (Estimated value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	log Koc,2.2; Literature study
Threshold limit - Algae [1]	0.136 mg/l (IC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
dibutyl phthalate (84-74-2)	
LC50 - Fish [1]	0.92 mg/l (Equivalent or similar to OECD 203, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	2.99 mg/l (EPA OPPTS 850.1035, 48 h, Daphnia magna, Static system, Experimental value, Lethal)
BCF - Fish [1]	1.8 l/kg (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	4.46 (Experimental value, EU Method A.8: Partition Coefficient, 30 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.14 (log Koc, Experimental value)
Texanol (EN250) (25265-77-4)	
LC50 - Fish [1]	30 mg/l (96 h, Pimephales promelas, Fresh water)
EC50 - Crustacea [1]	147.8 mg/l (48 h, Daphnia sp.)
Partition coefficient n-octanol/water (Log Pow)	3.47 (Experimental value)
Titanium dioxide (13463-67-7)	
LC50 - Fish [1]	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
polyethylene glycol monooleate (9004-96-0)	
EC50 - Crustacea [1]	170 mg/l (48 h, Daphnia magna)
quartz, conc respirable crystalline silica≥10% (14808-60-7)	
LC50 - Fish [1]	> 500 mg/l
EC50 - Crustacea [1]	> 300 mg/l
quartz, conc respirable crystalline silica≥10% (14808-60-7)	
LC50 - Fish [1]	> 500 mg/l
EC50 - Crustacea [1]	> 300 mg/l
talca (14807-96-6)	
LC50 - Fish [1]	89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)
Partition coefficient n-octanol/water (Log Pow)	-9.4 (QSAR, KOWWIN, 25 °C)
carbon black (1333-86-4)	
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	> 5600 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 10000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
titanium(IV) oxide	
LC50 - Fish [1]	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

12.2. Persistence and degradability

Titanium dioxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)

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Titanium dioxide (13463-67-7)	
ThOD	Not applicable (inorganic)

quartz, conc respirable crystalline silica $\geq$ 10% (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

Titanium dioxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.

quartz, conc respirable crystalline silica $\geq$ 10% (14808-60-7)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

Titanium dioxide (13463-67-7)	
Ecology - soil	Low potential for mobility in soil.

quartz, conc respirable crystalline silica $\geq$ 10% (14808-60-7)	
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Other adverse effects

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

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Fluorinated greenhouse gases	False

Titanium dioxide (13463-67-7)	
Fluorinated greenhouse gases	False

quartz, conc respirable crystalline silica $\geq$ 10% (14808-60-7)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name - Addition

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

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according to the Work Health and Safety (WHS) Regulations

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) : Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

15.2. International agreements

SECTION 16: Other information

Revision date : 14/11/2023

Classification:

Carc. 2	H351
Repr. 1B	H360
STOT RE 2	H373

Full text of H-statements:

Carc. 2	Carcinogenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure

SDS Australia (Phoenix)