

### SECTION 1: Identification : Product identifier and chemical identity

#### 1.1. Product identifier

Product form : Mixture  
 Product name : HARDBAVE  
 Product code : 4024 - BLACK, 3020 - WHITE, 4026 - ROYAL BLUE, 4154 - LIGHT GREY, 4040 - LIGHT TERRA COTTA, 4025 - TERRA COTTA, 4023 - MISSION BROWN, 4021 - FORREST GREEN, 4149 - MOSS GREEN, 4022 - FERRIC RED, 4059 - GOLDEN YELLOW

#### 1.2. Other means of identification

No additional information available

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

No additional information available

#### 1.4. Supplier's details

Endura Paint PTY LTD  
 40 Port Kembla Drive  
 6163 Bibra Lake - Australia  
 T (08) 9418 2999  
[www.pheonixpaints.com.au](http://www.pheonixpaints.com.au)

#### 1.5. Emergency phone number

Emergency number : In the event of an emergency involving dangerous goods: Please contact 0429 555 954


### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

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

Skin corrosion/irritation, Category 2 H315  
 Serious eye damage/eye irritation, Category 1 H318  
 Carcinogenicity, Category 1B H350  
 Specific target organ toxicity — Repeated exposure, Category 1 H372

#### 2.2. Label elements

Hazard pictograms (GHS-AU) : 

Signal word (GHS-AU) : Danger

Contains : quartz, conc respirable crystalline silica >=10% (25 - 60 %); quartz, conc respirable crystalline silica >=10% (3 - 12 %); ammonia, conc=2%, aqueous solution (0.01 - 3 %); distillates (petroleum), solvent-refined heavy paraffinic (0.005 - 0.47 %)

Hazard statements (GHS-AU) : H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H350 - May cause cancer  
 H372 - Causes 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/vapors/spray.  
 P264 - Wash thoroughly after handling  
 P270 - Do not eat, drink or smoke when using this product.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P281 - Use personal protective equipment as required.  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 - IF exposed or concerned: Get medical advice/attention.  
 P310 - Immediately call a poison center or doctor/physician.  
 P314 - Get medical advice/attention if you feel unwell.  
 P321 - Specific treatment (see 4.1. First aid procedures on this label)

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P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/Information on ingredients

Name	CAS-No.	Compound type	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
quartz, conc respirable crystalline silica $\geq$ 10%	14808-60-7		25 - 60	STOT RE 1, H372
quartz, conc respirable crystalline silica $\geq$ 10%	14808-60-7		3 - 12	STOT RE 1, H372
ammonia, conc=2%, aqueous solution	1336-21-6		0.01 - 3	Skin Corr. 1B, H314 Aquatic Acute 1, H400
distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4		0.005 - 0.47	Carc. 1B, H350

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell.

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 eyes with water as a precaution. 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. Call a physician immediately.

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

### 4.2. Symptoms caused by exposure

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Serious damage to eyes.

### 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

No additional information available

### 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/vapors/spray. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

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### 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.

## SECTION 7: Handling and storage, including how the chemical may be safely used

### 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. 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. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. 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

#### quartz, conc respirable crystalline silica $\geq$ 10% (14808-60-7)

USA - ACGIH

ACGIH TWA (mg/m<sup>3</sup>)

0.025 mg/m<sup>3</sup> (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)

#### quartz, conc respirable crystalline silica $\geq$ 10% (14808-60-7)

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### Exposure limit values of other components

### 8.2. Monitoring

No additional information available

### 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 : Wear respiratory protection.

Environmental exposure controls : Avoid release to the environment.

## 9.1. SECTION 9: Physical and chemical properties

Physical state : Liquid

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Appearance	:
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: 7.5 - 8.5
Relative evaporation rate (butyl acetate=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 (solid, gas)	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Specific gravity / density	: Specific gravity / density : 1.25 g/cm <sup>3</sup>
Solubility	: No data available
Log Pow	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Explosion limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available

### 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

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

quartz, conc respirable crystalline silica>=10% (14808-60-7)	
LD50 oral rat	> 5000 mg/kg

quartz, conc respirable crystalline silica>=10% (14808-60-7)	
LD50 oral rat	> 5000 mg/kg

Skin corrosion/irritation	: Causes skin irritation. pH: 7.5 - 8.5
Serious eye damage/irritation	: Causes serious eye damage. pH: 7.5 - 8.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Causes damage to organs through prolonged or repeated exposure.

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Aspiration hazard : Not classified

<b>HARDDPAVE</b>	
Specific gravity / density	1.25 g/cm <sup>3</sup>

### 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.

Aquatic acute : Not classified

Aquatic chronic : Not classified

<b>ammonia, conc=2%, aqueous solution (1336-21-6)</b>	
Log Pow	-1.14
<b>mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9)</b>	
LC50 fish 1	0.28 mg/l (LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia 1	0.16 mg/l (EC50; 48 h; Daphnia magna)
Threshold limit algae 1	0.018 mg/l (EC50; 72 h; Pseudokirchneriella subcapitata)
<b>iron(II,III)oxide (1317-61-9)</b>	
LC50 fish 1	> 1000 mg/l (LC50; 48 h; Leuciscus idus)
<b>pentapotassium triphosphate (13845-36-8)</b>	
LC50 fish 1	> 800 mg/l (LC50; 48 h; Leuciscus idus)
<b>tetrapotassium pyrophosphate, anhydrous (7320-34-5)</b>	
LC50 fish 1	> 750 mg/l (LC50; 48 h)
<b>dipotassium hydrogen phosphate, anhydrous (7758-11-4)</b>	
LC50 fish 1	> 900 mg/l (LC50; 48 h; Leuciscus idus)
<b>magnesium nitrate (10377-60-3)</b>	
LC50 fish 1	1378 mg/l (LC50; Equivalent or similar to OECD 203; 96 h; Poecilia reticulata; Static system; Fresh water; Read-across)
EC50 Daphnia 1	490 mg/l (EC50; 48 h; Daphnia magna)
Log Pow	-0.61 (Estimated value)
Threshold limit algae 1	> 1700 mg/l (EC50; 10 days; Nitzschia closterium)
<b>copper(II) nitrate (3251-23-8)</b>	
LC50 fish 2	0.25 mg/l (LC50; 96 h)
EC50 other aquatic organisms 1	0.085 mg/l (336 h; Selenastrum capricornutum)
BCF fish 1	200 - 667 (BCF)
BCF other aquatic organisms 1	471 (BCF; 168 h; Daphnia magna)
BCF other aquatic organisms 2	2400 (BCF; 168 h; Daphnia magna)
<b>4-nonylphenol, branched, ethoxylated (127087-87-0)</b>	
EC50 Daphnia 1	1000 mg/l (LC50; 48 h; Crustacea)
<b>zinc oxide (1314-13-2)</b>	
EC50 Daphnia 2	0.33 - 0.66 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Read-across)
Log Pow	1.53 (Estimated value)
Log Koc	log Koc,2.2; Literature study
Threshold limit algae 1	0.136 mg/l (LC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
<b>dibutyl phthalate (84-74-2)</b>	
LC50 fish 1	0.85 ppm (LC50; 96 h)
EC50 Daphnia 2	3.1 - 3.8 mg/l (EC50; 48 h)
EC50 other aquatic organisms 1	9 mg/l (48 h; Scenedesmus subspicatus; Growth rate)
BCF fish 1	12 (BCF)

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<b>dibutyl phthalate (84-74-2)</b>	
BCF fish 2	117 (BCF)
BCF other aquatic organisms 1	22 - 42 (BCF)
BCF other aquatic organisms 2	5000 (BCF; 72 h)
Log Pow	3.23 - 5.6
<b>2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)</b>	
LC50 fish 1	30 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	147.8 mg/l (EC50; 48 h)
Log Pow	3.47 (Experimental value)
Threshold limit algae 2	18.4 mg/l (EC50; 72 h)
<b>carbon black (1333-86-4)</b>	
LC50 fish 1	> 1000 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio)
LC50 fish 2	1000 mg/l (LC0; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 1	> 5600 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 24 h; Daphnia magna; Static system; Fresh water)
Threshold limit algae 1	> 10000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
<b>titanium(IV) oxide (13463-67-7)</b>	
EC50 Daphnia 1	> 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)
Threshold limit algae 1	61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
<b>polyethylene glycol monooleate (9004-96-0)</b>	
EC50 Daphnia 1	170 mg/l (EC50; 48 h)
<b>diethylene glycol (111-46-6)</b>	
LC50 fish 1	> 5000 ppm (LC50; 24 h)
EC50 Daphnia 1	> 10000 mg/l (EC50; 24 h)
BCF fish 1	100 (BCF; Other; 3 days; Leuciscus melanotus; Static system; Fresh water; Experimental value)
Log Pow	-1.98 (Calculated; Other)
Log Koc	Koc, SRC PCKOCWIN v1.66; 1; Calculated value; log Koc; SRC PCKOCWIN v1.66; 0; Calculated value
<b>C.I. pigment blue 15 (147-14-8)</b>	
LC50 fish 2	> 500 mg/l (LC50; 96 h)
BCF fish 1	< 11 (BCF)
Log Pow	6.6
<b>talc (14807-96-6)</b>	
LC50 fish 1	> 100 g/l (LC50; 24 h; Brachydanio rerio)
<b>titanium(IV) oxide (13463-67-7)</b>	
EC50 Daphnia 1	> 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)
Threshold limit algae 1	61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
<b>iron(III) oxide (1309-37-1)</b>	
LC50 fish 1	> 1000 mg/l (LC50; 48 h)
<b>chromium(III) oxide (1308-38-9)</b>	
LC50 fish 1	> 2.9 µg/l (LC50; ISO 7346-1; 96 h; Danio rerio; Static system; Fresh water; Experimental value)
BCF fish 1	260 - 800 (BCF; Lepomis macrochirus)
BCF other aquatic organisms 1	116 (BCF)
BCF other aquatic organisms 2	86 (BCF)
Threshold limit algae 1	> 848.6 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)

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<b>quartz, conc respirable crystalline silica&gt;=10% (14808-60-7)</b>	
LC50 fish 1	> 500 mg/l
EC50 Daphnia 1	> 300 mg/l
<b>quartz, conc respirable crystalline silica&gt;=10% (14808-60-7)</b>	
LC50 fish 1	> 500 mg/l
EC50 Daphnia 1	> 300 mg/l
<b>iron(III) oxide (1309-37-1)</b>	
LC50 fish 1	> 1000 mg/l (LC50; 48 h)
<b>barium sulfate (7727-43-7)</b>	
EC50 Daphnia 1	32 mg/l (EC50; 48 h)
BCF fish 1	68.4 (BCF; <i>Lepomis macrochirus</i> )
Threshold limit algae 1	≥1.92,NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; <i>Pseudokirchneriella subcapitata</i> ; Static system; Fresh water; Experimental value
<b>iron(II,III)oxide (1317-61-9)</b>	
LC50 fish 1	> 1000 mg/l (LC50; 48 h; <i>Leuciscus idus</i> )
<b>C.I. pigment green 7 (1328-53-6)</b>	
BCF fish 1	0.51 - 74 mg/l (BCF)

### 12.2. Persistence and degradability

<b>ammonia, conc=2%, aqueous solution (1336-21-6)</b>	
Persistence and degradability	Readily biodegradable in water. Ozonation in water. Biodegradable in the soil. No (test)data on mobility of the components available. Ozonation in the air.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
<b>quartz, conc respirable crystalline silica&gt;=10% (14808-60-7)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
<b>quartz, conc respirable crystalline silica&gt;=10% (14808-60-7)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

### 12.3. Bioaccumulative potential

<b>ammonia, conc=2%, aqueous solution (1336-21-6)</b>	
Log Pow	See section 12.1 on ecotoxicology
Bioaccumulative potential	Bioaccumulation: not applicable.

### 12.4. Mobility in soil

<b>ammonia, conc=2%, aqueous solution (1336-21-6)</b>	
Log Pow	See section 12.1 on ecotoxicology

### 12.5. Other adverse effects

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

<b>HARDBAVE</b>	
Fluorinated greenhouse gases	False
<b>ammonia, conc=2%, aqueous solution (1336-21-6)</b>	
Fluorinated greenhouse gases	False

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<b>distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)</b>	
Fluorinated greenhouse gases	False

<b>quartz, conc respirable crystalline silica<math>\geq</math>10% (14808-60-7)</b>	
Fluorinated greenhouse gases	False

<b>quartz, conc respirable crystalline silica<math>\geq</math>10% (14808-60-7)</b>	
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

Not applicable

#### 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

#### 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

Hazchemcode : Not applicable

### SECTION 15: Regulatory information

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

Listed on the AICS (the Australian Inventory of Chemical Substances) : Listed on the AICS (the Australian Inventory of Chemical Substances)



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### 15.2. International agreements

No additional information available

### SECTION 16: Any other relevant information

Revision date : 19/03/2019

Classification:

Skin Irrit. 2	H315
Eye Dam. 1	H318
Carc. 1B	H350
STOT RE 1	H372

Full text of H-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life

SDS Australia (Phoenix)

*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*