

SECTION 1: Product identifier

1.1. Product identifier

Product form : Mixture
Product name : METALFIX - BLACK
Product code : 1012 - BLACK

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.pheonixpaints.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)

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2A H319
Carcinogenicity, Category 1B H350

2.2. Label elements

Hazard pictograms (GHS AU) :



GHS07

GHS08

Signal word (GHS AU) :

Danger

Contains :

phosphoric acid, conc=85% (< 5 %); distillates (petroleum), solvent-refined heavy paraffinic (<0.5 %)

Hazard statements (GHS AU) :

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H350 - May cause cancer

Precautionary statements (GHS AU) :

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of 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.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
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.

METALFIX - BLACK

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

2.3. Other hazards

SECTION 3: Composition/information on ingredients

Name	CAS-No.	compound type	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
phosphoric acid, conc=85%	7664-38-2		< 5	Skin Corr. 1B, H314
distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4		<0.5	Carc. 1B, H350

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water. Soap may be used. Rinse skin with water/shower. Remove/Take off all contaminated clothing immediately. Call a physician immediately.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Immediately consult a doctor/medical service. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Irritation. Burns.
Symptoms/effects after eye contact	: Causes serious eye irritation. redness, itching, tears. Eye irritation. Serious damage to eyes.
Symptoms/effects after ingestion	: Can result in irritation in the digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting, and diarrhea. Burns.

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	: Material will not burn. Water spray. Dry powder. Foam. Carbon dioxide.
------------------------------	--

5.2. Special hazards arising from the substance or mixture

General measures	: Avoid contact with skin and eyes. Clean up any spills as soon as possible, using an absorbent material to collect it.
------------------	---

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

General measures	: Avoid contact with skin and eyes. Clean up any spills as soon as possible, using an absorbent material to collect it.
------------------	---

6.1.1. For non-emergency personnel

Protective equipment	: Gloves. Protective clothing. Protective goggles.
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.

METALFIX - BLACK

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

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. Do not allow to enter drains or water courses. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Notify authorities if product enters sewers or public waters.

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. 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. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

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 : Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.

Storage area : Protect against frost. Store at room temperature.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

phosphoric acid, conc=85% (7664-38-2)		
USA - ACGIH	Local name	Phosphoric acid
USA - ACGIH	Remark (ACGIH)	URT, eye, & skin irr

Exposure limit values for the other components

8.2. Monitoring

8.3. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

8.4. Personal protective equipment

Hand protection : Gloves. Nitrile rubber gloves

Eye protection : Chemical goggles or face shield. Safety glasses

Skin and body protection : Impermeable boots and protective equipment. Impermeable protective gloves

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.



METALFIX - BLACK

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

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): Colourless Colourless to white White to light yellow Colourless to light yellow White Colourless or white White to light grey
Odour	: Odour threshold is subjective and inadequate to warn for overexposure. Mixture contains one or more component(s) which have the following odour: Odourless Fruity odour Strong odour Irritating/pungent odour Pleasant odour Sweet odour
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point : Not applicable
Boiling point	: $\approx 100\text{ }^{\circ}\text{C}$
Flash point	: $> 60\text{ }^{\circ}\text{C}$
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density : 1.408 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)	: 55.21 %
Percent Solids (Volume)	: 38.586 %
Percent Volatile (Weight)	: 44.79 %
Percent Volatile (Volume)	: 61.414 %

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 of use.
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).
Incompatible materials	: Strong bases.
Hazardous decomposition products	: No hazardous decomposition products known at room temperature.

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
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.

METALFIX - BLACK

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

METALFIX - BLACK	
Density	1.408 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. Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

phosphoric acid, conc=85% (7664-38-2)	
LC50 - Fish [1]	138 mg/l (Pisces, Pure substance)

trizinc bis(orthophosphate) (7779-90-0)	
LC50 - Fish [1]	0.169 mg/l (LC50; ASTM E729-88; 96 h; Oncorhynchus mykiss; Static system; Fresh water; Read-across)
EC50 - Crustacea [1]	0.33 – 0.66 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Read-across)
BCF - Other aquatic organisms [1]	116 – 60960 (BCF; 21 days; Gammarus sp.; Semi-static system; Salt water; Read-across)
Threshold limit - Algae [1]	0.136 mg/l (IC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Experimental value)
Threshold limit - Algae [2]	0.024 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 3 days; Selenastrum capricornutum; Static system; Fresh water; Experimental value)

zinc oxide (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)

vinyl acetate (108-05-4)	
LC50 - Fish [2]	14 – 44 mg/l (LC50; 96 h)
BCF - Fish [1]	3.16 (BCF)
BCF - Other aquatic organisms [1]	2.09 – 2.34 (BCF)
Partition coefficient n-octanol/water (Log Pow)	0.73 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	Koc,24.21; QSAR

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)

METALFIX - BLACK

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

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)
talC (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)
SIL-CO-SIL 125 (14808-60-7)	
LC50 - Fish [1]	> 500 mg/l
EC50 - Crustacea [1]	> 300 mg/l
Butyl Glycol Ether (111-76-2)	
LC50 - Fish [1]	1474 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	1550 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	1840 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value, BASF test, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.451 – 0.882 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.2. Persistence and degradability

phosphoric acid, conc=85% (7664-38-2)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

phosphoric acid, conc=85% (7664-38-2)	
Bioaccumulative potential	Does not contain bioaccumulative component(s).

12.4. Mobility in soil

phosphoric acid, conc=85% (7664-38-2)	
Ecology - soil	No (test)data on mobility of the components available.

12.5. Other adverse effects

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

METALFIX - BLACK	
Fluorinated greenhouse gases	False
phosphoric acid, conc=85% (7664-38-2)	
Fluorinated greenhouse gases	False

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

SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose of contents/container in accordance with all local, regional, national and international regulations.

METALFIX - BLACK

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

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

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 : 03/11/2023

Classification:

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Carc. 1B	H350

METALFIX - BLACK

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Full text of H-statements:

Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H350	May cause cancer

SDS Australia (Phoenix)