



METALFIX 1000 - RED

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

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SECTION 1: Product identifier

1.1. Product identifier

Product form : Mixture
Product name : METALFIX 1000 - RED
Product code : 1009 - RED

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)

Not classified

2.2. Label elements

2.3. Other hazards

SECTION 3: Composition/information on ingredients

No additional information available

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. 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. Wash with water and soap. Rinse skin with water/shower. Remove/Take off all contaminated clothing 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 eyes with water as a precaution.
First-aid measures after ingestion : Immediately consult a doctor/medical service. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. 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 : Causes skin irritation.
Symptoms/effects after eye contact : Causes serious eye irritation. redness, itching, tears.
Symptoms/effects after ingestion : Can result in irritation in the digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

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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

Fire hazard : Highly flammable liquid and vapour.

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 : Ventilate spillage area. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene.

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. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. 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. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

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

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

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

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

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. [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 available Colour : Mixture contains one or more component(s) which have the following colour(s): Red-brown to black Colourless Colourless to white White to light yellow Colourless to light yellow White Colourless or white White to light grey No data available on colour

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 Almost odourless

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 : 1.388 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) : 56.21 %

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Percent Solids (Volume)	: 39.347 %
Percent Volatile (Weight)	: 43.79 %
Percent Volatile (Volume)	: 60.653 %

10.1. SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport. Highly flammable liquid and vapour. The product is non-reactive under normal conditions of use, storage and transport. Highly flammable liquid and vapour.
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). Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
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	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Density	1.388 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

Iron Oxide (Mid Red ACJ) (1309-37-1)	
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

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)

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trizinc bis(orthophosphate) (7779-90-0)	
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)
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

No additional information available

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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

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

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Fluorinated greenhouse gases	False
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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.
Additional information : Flammable vapours may accumulate in the container.

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

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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

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Classification:

Not classified	
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SDS Australia (Phoenix)