

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product form : Mixture
 Product name : METALFIX 1000
 Product code : 1009 - RED, 1013 - WHITE, 1018 - LIGHT GREY, 1019 - BLACK

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.phoenixpaints.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)

Carcinogenicity, Category 1B H350

2.2. Label elements

Hazard pictograms (GHS-AU) :



Signal word (GHS-AU) : Danger
 Contains : distillates (petroleum), solvent-refined heavy paraffinic (0.046 - 0.235 %)
 Hazard statements (GHS-AU) : 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.
 P281 - Use personal protective equipment as required.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.
 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)
distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4		0.046 - 0.235	Carc. 1B, H350

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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. Wash skin with plenty of water.
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/doctor/physician if you feel unwell.

4.2. Symptoms caused by exposure

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.

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

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Material will not burn. Water spray. Dry powder. Foam. Carbon dioxide.
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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.
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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.
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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.
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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.

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".
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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.

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

Exposure limit values of other components

8.2. Monitoring

No additional information available

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 : Wear respiratory protection.
- Environmental exposure controls : Avoid release to the environment.

9.1. SECTION 9: Physical and chemical properties

- Physical state : Liquid
- Appearance :
- Color : No data available
- Odor : No data available
- Odor threshold : No data available
- pH : No data available
- 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 : 1.3 - 1.5 g/cm³
- Solubility : No data available
- Log Pow : No data available

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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 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

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 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	: Not classified
Aspiration hazard	: Not classified

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Specific gravity / density	1.3 - 1.5 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.
Aquatic acute	: Not classified
Aquatic chronic	: Not classified

Iron Oxide (Mid Red ACJ) (1309-37-1)	
LC50 fish 1	> 1000 mg/l (LC50; 48 h)
titanium(IV) oxide (13463-67-7)	
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)
aluminium oxide, non-fibrous (1344-28-1)	
LC50 fish 1	> 100 mg/l (NOEC; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo trutta; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	> 100 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)

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aluminium oxide, non-fibrous (1344-28-1)	
Threshold limit algae 1	> 100 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
silicon dioxide, amorphous (7631-86-9)	
LC50 fish 1	> 10000 mg/l (LC50; 96 h)
EC50 Daphnia 1	> 10000 mg/l (EC50; 24 h)
zirconium dioxide (1314-23-4)	
LC50 fish 1	> 100 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Static system; Fresh water; Experimental value)
EC50 Daphnia 1	> 100 mg/l (EC50; EU Method C.2; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
BCF other aquatic organisms 1	0.64 (BCF; 24 h; Chlorella sp.; Fresh water)
Threshold limit algae 1	> 200 mg/l (NOEC; Other; 15 days; Chlorella vulgaris; Static system; Fresh water; Read-across)
Threshold limit algae 2	> 100 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodosmus subspicatus; Static system; Fresh water; Read-across)
phosphoric acid, conc=85% (7664-38-2)	
LC50 fish 1	138 mg/l (LC50)
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 Daphnia 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 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 (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)
Log Pow	0.73 (Experimental value)
Log Koc	Koc,24.21; QSAR
pentapotassium triphosphate (13845-36-8)	
LC50 fish 1	> 800 mg/l (LC50; 48 h; Leuciscus idus)
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 (LC50; 48 h; Leuciscus idus)
4-nonylphenol, branched, ethoxylated (127087-87-0)	
EC50 Daphnia 1	1000 mg/l (LC50; 48 h; Crustacea)
talc (14807-96-6)	
LC50 fish 1	> 100 g/l (LC50; 24 h; Brachydanio rerio)
quartz, conc respirable crystalline silica>=10% (14808-60-7)	
LC50 fish 1	> 500 mg/l
EC50 Daphnia 1	> 300 mg/l

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Butyl Glycol Ether (111-76-2)	
LC50 fish 1	1474 ppm (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Static system; Fresh water; Experimental value)
EC50 Daphnia 1	1550 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Log Pow	0.81 (Test data; 20 °C)
Threshold limit algae 1	911 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
Threshold limit algae 2	88 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
talc (14807-96-6)	
LC50 fish 1	> 100 g/l (LC50; 24 h; Brachydanio rerio)
carbon black (1333-86-4)	
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)
tetrasodium pyrophosphate (7722-88-5)	
LC50 fish 1	> 1500 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 48 h; Leuciscus idus)
EC50 Daphnia 1	126 ppm (TLm; 72 h)

12.2. Persistence and degradability

No additional information available

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
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.

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

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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)

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

Revision date : 20/03/2019

Classification:

Carc. 1B	H350
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Full text of H-phrases:

Carc. 1B	Carcinogenicity Category 1B
H350	May cause cancer

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