

# Material Safety Data Sheet

## Metalfix 1000

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Issued by Beam Rustproofing

**PRODUCT:** METALFIX 1000

**PRODUCT CODES:** METALFIX 1000

### **SECTION 1: PRODUCT IDENTIFICATION**

**Description:** Not classified as hazardous according to the criteria of Work Safe Australia.

**METALFIX 1000** is a single pack water-based primer which is designed for application onto non-rusted surfaces, such as new or clean steelwork, weathered aluminum, plastic, timber, etc. to form a non-toxic film. The coating is the "twin sister" to METALFIX, which is designed mainly for application over well-rusted steel. The **METALFIX 1000** does have a slight rust converting action, and can be used over lightly rusted steel work (e.g. new steel bearing a "rust bloom") where it cures into a tough abrasion-resistant skin which is impervious to further rusting. The coating will operate from minus 40 degrees Centigrade up to nearly 1000 degrees Centigrade, and, if required, may be over-coated with any other top coat, whether oil or water based.

Non-toxic in the dry state. **METALFIX 1000** can be brushed, sprayed or rolled, and no solvents are required (water clean-up). May be used safely in confined spaces. No sandblasting is necessary, the paint has a quick recoating time, and the resulting paint film is highly fire retardant.

### **PHYSICAL PROPERTIES**

•	Boiling Point (oC):	Approximately 100
•	Vapour Pressure (mm HG at 25oC):	Low
•	Vapour Density (Air = 1):	N.D.
•	Specific Gravity:	1.4
•	Melting Point (oC):	Not applicable
•	Flashpoint (oC):	Non-combustible
•	Volatile Component:	Water
•	Flammability Limits:	Not applicable
•	Solubility in Water:	Dilutable in all proportions
•	Odour:	Faint, pleasant, wine-like
•	Colour:	Ferric Red, Black, White & Pastels
•	Pot Life:	Indefinite
•	Solvent / Wash Up:	Water

**Use:** As a rust inhibiting primer for new or lightly rusted steel and a protective primer for most other surfaces.

**Packaging:** In one litre and five litre white plastic pails labelled "PHOENIX METALFIX1000".

### **SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

This product is water-based, contains no lead or heavy metals, and forms essentially non-toxic films. In the opinion of the manufacturer, the product is not classified as a hazardous product according to the criteria laid down by Worksafe Australia. The major components of the coating are as follows:

	<b>INGREDIENTS / CHEMICAL ENTITIES</b>	<b>PROPORTIONS</b>
•	Water:	Medium
•	Inert Inorganic Pigment:	Medium
•	Proprietary Polymer Dispersion:	Medium
•	Inorganic Metal Salt:	Low
•	Talc:	Low
•	Proprietary Converter:	Very Low

High is more than 60%; Medium is from 10% to 60%; Low is less than 10%; and Very Low is less than 2%.

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**SECTION 3: FIRE AND EXPLOSION HAZARD DATA**

Flash Point: N.A.

Special Fire Fighting Procedure: This product will not burn, and in fact is used as a fire-retardant coating (see AWTA Test Report 7-455226-CW dated 04/04/95).

Unusual Fire & Explosion Hazards: None

**SECTION 4: HEALTH HAZARD INFORMATION**

**Hazards / Symptoms**

**Inhalation:**

Persistent inhalation of vapour could cause irritation (although this has never been reported).

**Prevention**

Use in ventilated areas.

**First Aid**

Remove to fresh air.

Irritant	Wear protective glasses or mask.	Flush with water for at least 15 minutes and contact doctor.
Skin - Nil	Wear rubber gloves for sensitive skin.	Wash with soap and water.
Ingestion - Harmful	Avoid	Induce vomiting by drinking, two glasses of salt water, and contact a doctor.

**SECTION 5: PRECAUTIONS FOR SAFE HANDLING AND USE**

**Storage and Transport:**

Store material in sealed plastic containers. Normal warehousing to be observed. Do not allow to freeze and keep temperature between 5<sup>o</sup>C and 30<sup>o</sup>C.

**Spill and Disposal:**

Transfer the product into closed containers and do not allow to enter the sewage or storm water system. Dispose of at an approved landfill in accordance with local, state, and federal regulations.

The information presented herein is true and accurate to the best of our knowledge, but without guarantee unless explicitly given. Since the conditions of use are beyond our control, we disclaim any liability including for patent infringement incurred in connection with the use of these products, data and suggestions.

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