

# SAFETY DATA SHEET



## FFP301 BRONZE REPAIR PUTTY

Date of Issue: 29-08-2019 Revision: 2

### Section 1 – Information of the substance/compound and the supplier

**Product Name:** Fix'n'Fast Bond® FFP301 Bronze Repair Putty

**Details of the supplier:**

Alchem Manufacturing Pte Ltd  
Blk 3029A, #01-96, Ubi Road 3, Singapore 408661  
Tel: +65 6747 8643  
Fax: +65 6747 6547

### Section 2 – Composition

INGREDIENTS	CAS N°	Content (Wt%)
Epoxy Resin	23068-38-36	20-35
Toughening Agent		5-10
Curing Agent		15-25
Brass powder	7429-90-5	40-55
Aluminum Oxide Ceramic	1344-28-1	10-20

It does not contain asbestos, lead (Pb), mercury (Hg) and Chrome (Cr6+)

### Section 3 – Hazards Identification

**Hazards Identification :** Non-hazardous Substance. Not classified as dangerous goods.

**Human Health Hazards :** May cause sensitization by contact with eye.

**Safety Hazards :** Avoid contact with eye

**Environmental Hazards :** Non-toxic to aquatic organisms

**Other Information :** The product slightly irritates skins and eyes, it may cause allergic dermatitis

### Section 4 – First Aid Measures

**Inhalation:** Provide fresh air. If breathing becomes difficult, call physician.

**Skin:** Avoid contact with skin. Wash thoroughly with soap and water.

**Eye:** Avoid contact with eye. In case of contact with eyes, rinse immediately with plenty of water and consult a physician.

**Ingestion:** If swallowed, seek medical ad ice immediately and show this container or label.  
Keep out of reach of children.  
Unlikely route of entry.

### Section 5 – Fire Fighting Measures

**Specific Hazards:** Nil.

**Extinguishing Media:** H2O spray, foam, CO2, dry chemicals or foam

**Unsuitable Extinguishing Media:** Nil

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**Protective Equipment:** Fire fighters to wear self-contained breathing apparatus and full protective clothing.

**Other Information:** Keep undamaged product cool with H<sub>2</sub>O fog while fighting fire.

### Section 6 – Accidental Release Measures

**Personal precautions:** Remove all possible sources of ignition in the surrounding area.

**Environmental precautions:** Prevent from spreading or entering into drains and surface waters (e.g. lakes, ponds, ditches, rivers and streams) by using sand, earth, or other appropriate non-combustible barriers.

**Clean-up methods (Small Spillages):** To minimize soil and groundwater contamination, absorb liquid with sand earth or other recommended absorbent material. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

**Clean-up methods (Large Spillages):** Prevent from spreading by making a barrier with sand, earth or other containment material. Dispose of as for small spills.

**Maritime spillages:** Maritime spillages should be dealt with using a Shipboard Oil Pollution Emergency Plan (SOPEP), as required by MARPOL Annex 1 Regulation 26.

Other Information Observe all relevant local regulations.

### Section 7 – Handling and Storage

**Handling:** Wear protective glove and safety glasses while handling uncured product. Uncured product will adhere to clothing. Maintain high standards of personal hygiene, washing hands after coming in contact with product. Avoid eye and skin contact.

**Storage:** Store in cool, dry and well-ventilated area out of direct sunlight. Store away from all heat sources. Optimum storage conditions 4 - 30°C.

### Section 8 – Exposure Controls / Personal Protection

**Respiratory type:** Avoid breathing of dust, vapours, mists or spray. Where ventilation is inadequate and dusts, vapors or mists are generated the use of a respirator with filter is recommended. Filter capacity and respirator type depends on exposure levels.

**Eye protection:** Eye/ face protection. Non-fogging chemical safety goggles or safety glasses with side shields.

**Glove type:** Wear suitable impervious protective gloves such as PVC or Nitrile gloves.

**Clothing:** Wear suitable impervious protective clothing.

### Section 9 – Physical and Chemical Characteristics

**Appearance:** Bronze colour paste

**Odor:** Slight

**pH:** N/A

**Water Solubility:** Little

**Specific Gravity:** 2.20

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**Steam Pressure:** Nil  
**Steam Density:** Nil  
**Volatilization Velocity (Ether=1):** Nil

### Section 10 – Stability and Reactivity

**Stability:** Stable  
**Products to avoid:** Strong oxidant, strong acid, strong alkali, primary aliphatic amine and secondary aliphatic amine  
**Hazardous reactions:** Exothermic reaction will occur with some curing agent, a great deal of heat will be produced, which may cause polymerization reaction  
**Hazardous decomposition:** None  
**conditions to avoid:** Keep away from heat source over 150°C

### Section 11 – Toxicological Information

**Health Harm:** Refer to section 3  
**Sensitization:** Not known  
**Denaturalization:** Not known  
**Procreation Transmissibility:** Not known  
**Cancer:** Not known  
**Other danger information:** Unavailable

### Section 12 – Ecological Information

**Ecotoxicity:** No useful data.  
**Environmental influence:** No harmful effect to aquatic organisms  
**Persistence / Degradability:** Components are inherently biodegradable  
**Bioaccumulation:** Nil

### Section 13 – Disposal Considerations

**Waste disposal:** Solid waste landfill or authorized incineration

### Section 14 – Transport Information

**Transportation:** Not classified as Dangerous Goods and can be transported by Road, Rail and Air. The item is not restricted or not regulated as per IATA.

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### Section 15 – Regulatory Information

**Regulation:** Observe the governmental or local regulations to use the chemical product safely.

### Section 16 – Other Information

**Warning to users:**

This data sheet completes the technical notices but does not supersede them. The information contained in it is grounded to the statement of our knowledge of the product concerned at the publishing date. Moreover, user's attention should be drawn on the possible risks incurred when a product is used for other purposes than those for which it has been designed. It does not stop in any case the user knowing and following the whole regulatory texts related to his activity. He will be the sole responsible of the precautions related to the use of the products he knows. The aim of the whole regulatory prescriptions mentioned is to help the receiver to fulfill his duties when using the product. This list must not be considered as exhaustive. It does not stop the user from making sure that he complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which he is the sole responsible person.