

## TECHNICAL DATA SHEET

# METAPREP 1

## *Acid Brightener & Metal Conditioner*

**Code 1200**

### DESCRIPTION

Callington's MetaPrep 1 is an exceptionally versatile liquid acid cleaner and metal conditioner. It has primarily been designed for the aircraft industry to treat corrosion on steel and aluminium and its alloys. It also conditions the metal surface prior to repainting.

Callington's MetaPrep 1 is most often used on aircraft after paint stripping to prepare the surface for repainting by:

1. Removing corrosion and rust
2. Removing oxidised primer
3. Removing light films of waxes, oils, and greases
4. Conditioning the surface

### FEATURES & BENEFITS

- Readily miscible with water at all concentrations forms
- An ideal preparation for paint adhesions
- Removes corrosion products
- Gives a clear satin finish
- Removes finger marks and light films of oil and grease  
removes oxidised wash

### SPECIFICATIONS

Callington MetaPrep 1 has many uses and can be applied in several ways, some of these are listed below:

1. The full requirements of the US military specification for aircraft conditioning compounds Mil-C-10578D, Type I.
2. It also meets the Boeing D6-17487 revision L specification for **Acid Brighteners** and **Corrosion Removers**.



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### SPRAY APPLICATION

Mix 1 part of Callington's MetaPrep 1 with 3 to 4 parts of water at room temperature. Spray onto surface by airless or siphon system. Some brushing of the surface will assist with the removal of corrosion and difficult soils. The surface should be kept wet with the solution until the soil is gone, rinse the surface with warm water for best results.

### HAND WIPE APPLICATION

Mix 1 part of Callington MetaPrep 1 with 3 to 4 parts of room temperature water. Parts should be immersed for 3 to 10 minutes. Rinse with warm or cold water.

### PHYSICAL PROPERTIES

Density: 1.35 +/- 0.01  
Appearance: Colourless  
Phosphoric Acid: 50 -54% W/W

### ORDERING INFORMATION

Product Code	Packaging
1200/42	5 litres
1200/51	20 litres
1200/64	200 litres

### CAUTION

This product contains mild acid and should not be used on high strength steels or magnesium. Tanks and containers made to hold MetaPrep 1 should be manufactured from acid resistant materials.

### FIRST AID

Avoid contact with the skin and eyes. Avoid prolonged breathing of the vapour, Wear protective clothing such as gloves and goggles. Use with adequate ventilation, i.e., an airflow equivalent to outdoor. MetaPrep 1 does not contain any chromates or dangerous solvents.

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