

## TECHNICAL DATA SHEET

# METAPREP 1

**Code 1200**

## *Acid Brightener & Metal Conditioner*

### DESCRIPTION

Callington Haven Metaprep 1 is an exceptionally versatile liquid acid cleaner and metal conditioner. Metaprep 1 has been primarily 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 Haven Metaprep 1 is most often used on aircraft after paint stripping to prepare the surface for repainting by

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

Callington Haven Metaprep 1 is excellent for use on mild steel as a prepaint conditioner and rust remover. For stainless steel Metaprep 1 can be used to remove surface corrosion prior to passivation in maintenance applications.

### SPECIFICATIONS

Callington Haven Metaprep 1 meets :

- 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**.

### CHARACTERISTICS

Callington Haven Metaprep 1 is readily miscible with water at all concentrations forms an ideal preparation for paint adhesion removes corrosion products gives a clear satin finish removes finger marks and light films of oil and grease removes oxidised wash and etch primer.

### DIRECTIONS FOR USE

Callington Haven Metaprep 1 has many uses and can be applied in several ways, some of these are listed below.

#### **Spray Application**

Mix 1 part of Callington Haven 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 removal of corrosion and difficult soils. The surface should be kept wet with the solution until the soil is gone. Rinse the surface; warm water is preferred.

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### Hand Wipe Application

Mix 1 part of Callington Haven Metaprep 1 with 1 to 3 parts of room temperature water. Depending on the level of corrosion, a cloth saturated with solution or brush can be used to apply the product. Again, gentle scrubbing will speed corrosion and soil removal. Rinse surface with either cold or warm water.

### Dip Application

Mix 1 part Callington Haven Metaprep 1 with 3 to 4 parts of room temperature water. Parts should be immersed for 3 to 10 minutes. Again rinse with either warm or cold water.

### CAUTION

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

### FIRST AID

Callington Haven Metaprep 1 is made from Phosphoric Acid.

Avoid contact with skin and eyes and avoid prolonged breathing of the vapour.

Protective clothing such as gloves and goggles should be worn when handling this product. 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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