

## TECHNICAL DATA SHEET

# METAPREP 1

Code 1200

## Acid Brightener & Metal Conditioner

### 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**.



## TECHNICAL DATA SHEET

### APPLICATION

Hand Wipe Applications: Mix 1 part MetaPrep 1 with 3 to 6 parts water at room temperature. Apply by brush or cloth saturated with solution. Gentle scrubbing speeds soil removal. Rinse with cold or warm water.

### Spray Methods:

Mix 1 part MetaPrep 1 with 3 to 4 parts of room temperature water. Apply by airless or siphon sprayer. Keep surface wet with spray until soil is removed. Brushing prior to rinsing helps remove stubborn soils. Rinse with cold or warm 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.

**WARRANTY** – All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.  
Created 10<sup>th</sup> June 2021 Date Printed 21/11/2022 12:50 PM