
Product Name: Chromate Touch Up Solution

Product Number: DOW 19

Product Description: Brush on touch up solution for chromating magnesium alloy parts, where dismantling and re-chromating of the article is too costly, or impractical.

Used for repair of small areas of damage to chromate protection of magnesium components.

EU REACH Status This coating contains Chromium Trioxide (Chromic Acid): CAS No: 1333-82-0. This is classified as a SVHC, and under annex XIV has a sunset date of September 2017. Continued use of this coating after this date will be restricted to authorised uses (uses 1, 4 & 5 as defined in authorisation) under the REACH chemical restriction process, for a defined time period: 4 years for industrial uses and 7 years for aerospace use.

Approvals/Specifications:

- Mil-M-3171C-Type vi.
- Rolls Royce Product No. 111874
- Covered in RPS 22 (Pages 14 & 15)
- OMAT 1/275A
- EADS-Astrium MPS0241

Dow 19 is referenced in TSD594
Dow 19 is made up as a liquid and has a good shelf life when stored in a sealed bottle.

Performance: Approved as a touch-up for damage to previously chromated or anodised magnesium assemblies or single parts. This conversion coating provides performance similar to the original surface treatment

Technical Data Sheet



Components: Single Part Product.

Application:

Surface Preparation: Ensure that surfaces are clean and free from dirt

Paint Preparation: Ready to use

Application Method: Use in accordance with relevant process specification or overhaul process. Alternatively apply by swab or brush. Apply continuously until a brassy coloured film is produced. Water-wash when the desired colour is observed.

The resulting appearance should be of a light-dark brown colour. The article(s) may then be primed and finished.

Drying Curing: Following application and water washing to remove any residual material dry to remove moisture before further coating. The applied treatment may be oven dried at up to 80°C to aid drying before further processing of the treated surface.

Technical Properties:

Supply Viscosity: N / A – Water Viscosity

Flash Point: Non-Flammable

VOC Content: 0 g / litre

Colour: Yellow / Orange Liquid

Pack Size: 500ml Containers

Density: 1.01 g / ml

Thinner: N / A

Solvent/Clean Up: Water

Theoretical Coverage: Application specific

Technical Data Sheet



Storage:

Water based corrosive and environmentally hazardous material. Do not free and ensure that storage complies with local environmental controls.

Shelf Life: 12 months temperate; 6 months tropical

Before use, refer to Product Safety Data Sheet

Disclaimer:

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Safety Data Sheets:

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