Alodine® 871™
Touch-N-Prep® Coating
Henkel developed Alodine® 871™ coating with the convenient Touch-N-Prep® applicator pen to provide a clean, easy-to-use method of repairing conversion coatings on aircraft and aircraft part surfaces.

The unique Alodine® 871™ Touch-N-Prep® no-rinse conversion coating effectively repairs bare aluminum substrates to prevent corrosion. It does not require rinsing, and can be air-dried or force-dried with hot air.

The high-density acrylic tip of the Touch-N-Prep® pen can be modified with a single-edge razor blade to form any shape. The design of the Touch-N-Prep® pen allows repair of hard-to-reach places or the underside of aircraft. This new application method controls the amount of coating applied to the surface. Use Alodine® 871™ Touch-N-Prep® sparingly – a little goes a long way. This optimized application method greatly reduces the amount of chemical used and generates no secondary waste associated with other repair methods.

Touch-N-Prep® coatings represent a dramatic environmental improvement over current methods of chemical coatings touch up. The easy-to-use, dry-in-place coating is a cost-effective and safe method of touch-up repairs of aircraft and aircraft part surfaces.

### Product Features and Benefits

- Easy to use, cost effective touch-up and repair applicator
- Designed to save labor, material, and time with easy to use applicator
- Non-rinsing, dry-in-place technology
- Excellent paint adhesion and painted corrosion resistance
- Contains sufficient solution to treat up to 50 sq ft (4.6 sq m)
- NSN Number: 8030-01-560-9113

### Approvals

MIL-DTL-81706B, Type 2, Class 1 & 3A, Form 6, Method D Messier-Dowty
Pen Instructions

Touch-N-Prep® pens are designed for easy and safe repair of clean, bare, or previously painted aluminum surfaces. It is a non-rinse, dry-in-place application that can be applied using the following steps:

1. Before applying the coating, the treated surface must be cleaned using the following process:
   - Use a moistened abrasive pad to remove oxides from the surface of the metal.
   - Wipe substrate with a damp lint-free cloth to ensure complete removal of soils and dislodged oxides generated from the previous step.
   - Allow surface to dry before Touch-N-Prep® application.

2. To activate, hold the Touch-N-Prep® pen upright, pop off the cap and hold the pen tip down onto a clean surface to begin the flow of solution to the tip. Do not twist or turn to remove the cap, since this may result in the pen leaking.

3. Press the pen tip down on the surface until solution fills the pen tip. Apply the Alodine® 871™ solution to the metal surface with firm, smooth, even strokes, covering all edges. Overlap each stroke and allow to dry.

4. Within 5 minutes of the first coat, apply a second coat at a 90° angle to the first coat with the same smooth, firm stroke.

5. Allow the Alodine® Touch-N-Prep® coating to air dry thoroughly.

6. Frequent short jabs to rewet the application tip are preferred to maintain constant coating weights and avoid over-wetting the felt tip.

7. Always immediately replace the cap when not in use to avoid evaporation and contamination.
Henkel –
Your worldwide partner

EUROPE
Henkel Aerospace
82, Rue de Maubec
31300 Toulouse
France
Tel.: +33.5.34.36.40.60

Henkel AG & Co. KGaA
Aerospace
Henkelstraße 67
40589 Düsseldorf
Germany
Tel.: +49.211.797.2998

LATIN AMERICA
Henkel Brazil Ltda
Rua Karl Hüller, 136 -
Jd. Canhema 09941-410
Diadema/SP
Brazil
Tel.: +55.11.3205.8955

Henkel Capital, S.A. de C.V.
(Mexico)
Boulevard Magnocentro No. 8
Piso 2 Interlomas
52760, Huixquilucan
Estado de México
Tel: +52.55.3300.3644

NORTH AMERICA
Henkel Corporation Aerospace
P. O. Box 312
2850 Willow Pass Road
Bay Point, CA 94565
United States
Tel.: +1.925.458.8000

Henkel Corporation Aerospace
32100 Stephenson Highway,
Madison Heights, MI 48071
United States
Tel.: +1.248.583.9300

ASIA-PACIFIC
Henkel Australia Pty. Ltd., Kilsyth
135-141 Canterbury Road
3137 Kilsyth, VIC
Australia
Tel.: +61.3.9724.6444

Henkel Asia Pacific &
China Headquarter
Henkel (China) Co. Ltd.
No. 928 Zhang Heng Road, Pu Dong
201203 Shanghai
China
Tel: +86-21-2891 8000
Fax: +86-21-2891 8971

Henkel Japan Ltd.,
Henkel Technology Center
27-7 Shin Isogo-cho, Isogo-ku,
Yokohama-shi
Kanagawa 235-0017
Japan
Tel: +81-45-758 1800
Fax: +81-45-758 1851

Henkel Singapore Pte. Ltd.,
Singapore
401 Commonwealth Drive,
03-01 / 02 Haw Par Techno Centre
149598 Singapore
Singapore
Tel.: +65.62660100

Henkel Corporation
For additional information:
+1.866.332.7024
visit www.henkel.com/aerospace

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