

# Alodine®

## Alodine® 871™ Touch-N-Prep® Coating



Excellence is our Passion

## Alodine® 871™ Touch-N-Prep® No-Rinse Conversion Coating

|   | Metal Processing Lines | Aircraft Depaint & Repaint | Coolants | Henkel Product Number Case | Consistency | Form         | How to Apply | Mix Ratio (product:water) | Chemistry  | Aluminum  | Temperature | Time        |   |
|---|------------------------|----------------------------|----------|----------------------------|-------------|--------------|--------------|---------------------------|------------|-----------|-------------|-------------|---|
| Chemical Specialties                    | Application            |                            |          | Characteristics            |             |              |              |                           | Substrate  | Operation |             | Description |   |
| Alodine® 871™ Touch-N-Prep® Coating     | •                      | •                          | •        | 887197 (EMEA: 446362)      | Liquid      | Ready-to-Use | Pen          | Use as Received           | Tri-Chrome | •         | Ambient     | Until Dry   | Alodine® 871™ Touch-N-Prep® Coating is a non-hexavalent, tri-chrome, dry-in-place conversion coating designed for use on aluminum and its alloys. The pen used to deliver this product provides an easy and safe method of repairing bare areas of aluminum surfaces. Alodine® 871™ Touch-N-Prep® Coating is formulated for both bare corrosion protection, such as ASTM 921-02, and bonding applications when combined with organic coatings or structural adhesives. Meets MIL-DTL-81706B, Type 2, Class 1A & 3, Form VI, Method D, Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys. |
| Alodine® Touch-N-Prep® Replacement Tips |                        |                            |          | 598819                     | n/a         | n/a          | n/a          | n/a                       | n/a        |           | n/a         | n/a         | A felt replacement tip for use with the Alodine® 871™ Touch-N-Prep® coating applicator.   |



### Touch-N-Prep® Coatings Pen

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

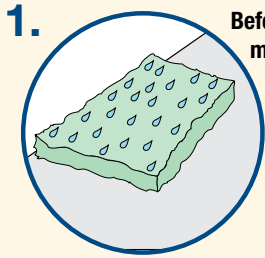
- Easy to use, cost effective touch-up and repair applicator
- Designed to save labor, material, and time with easy to use applicator
- Non-rinsing, dry-in-place technology
- Excellent paint adhesion and painted corrosion resistance
- Contains sufficient solution to treat up to 50 sq ft (4.6 sq m)
-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

#### Approvals

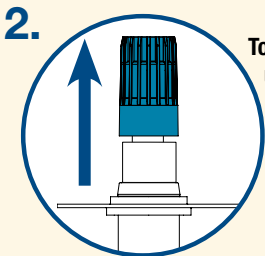
**MIL-DTL-81706B, Type 2,  
Class 1 & 3A, Form 6, Method D  
Messier-Dowty**

## Pen Instructions

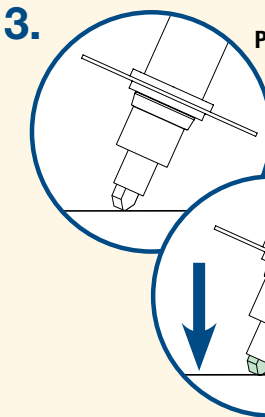
Touch-N-Prep® pens are designed for easy and safe repair of clean, bare, or previously painted aluminum surfaces. It is a non-rinse, dry-in-place application that can be applied using the following steps:



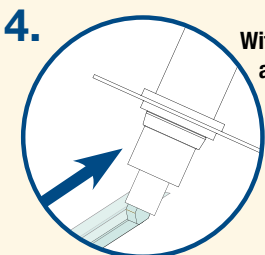
1. Before applying the coating, the treated surface must be cleaned using the following process:
- Use a moistened abrasive pad to remove oxides from the surface of the metal.
  - Wipe substrate with a damp lint-free cloth to ensure complete removal of soils and dislodged oxides generated from the previous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



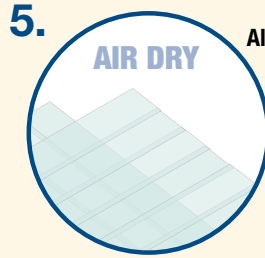
2. To activate, hold the Touch-N-Prep® pen upright, pop off the cap and hold the pen tip down onto a clean surface to begin the flow of solution to the tip. Do not twist or turn to remove the cap, since this may result in the pen leaking.



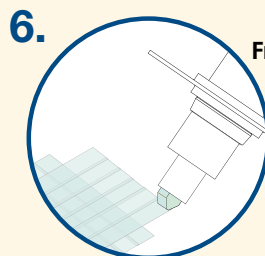
3. Press the pen tip down on the surface until solution fills the pen tip. Apply the Alodine® 871™ solution to the metal surface with firm, smooth, even strokes, covering all edges. Overlap each stroke and allow to dry.



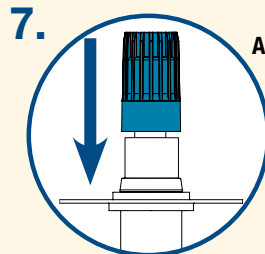
4. Within 5 minutes of the first coat, apply a second coat at a 90° angle to the first coat with the same smooth, firm stroke.



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.



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