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## Technical Data Bulletin

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### TURCO ZINCTONE

Material. No. 378337

#### ACID BRIGHTENER FOR ZINC AND COPPER ALLOYS

##### DESCRIPTION:

TURCO ZINCTONE is a clear, red liquid formulated to remove light oxide films and brighten zinc and zinc alloy parts, such as carburettors fuel pumps and die-cast by immersion methods.

The product dramatically brightens brass and copper alloys.

TURCO ZINCTONE restores the original lustre to zinc alloys, and is frequently used on zinc components that require visible and fluorescent penetrant inspection prior to re-assembly and for penetrant inspection of raw zinc die castings prior to machining.

##### BENEFITS:

TURCO ZINCTONE offers these benefits:

1. Non-flammable in concentrate or solution form.
2. Used at ambient temperature.
3. Readily soluble in tap water at recommended concentrations.
4. Easily rinsed from parts with water.
5. Solution is controlled by simple titration.
6. Extremely effective on copper or brass alloys.

## **USE INSTRUCTIONS:**

**TANKS:** Tanks and associated equipment must be fabricated from stainless steel or other acid resistant materials. Mild steel tanks are not recommended.

**PRECLEANING:** Parts must be free of all contamination and oxides prior to immersion in TURCO ZINCTONE. Your HENKEL REPRESENTATIVE can recommend a suitable precleaner based upon your production requirements.

**MIXING:** Dilute TURCO ZINCTONE at the ratio of 1 part of TURCO ZINCTONE to 3 parts of clean water. Mix thoroughly. Immerse clean parts in TURCO ZINCTONE solution for 50 to 60 seconds.

**RINSING:** Rinse parts by high volume spray methods immediately after removal from cleaner solution. In some cases, a neutralising rinse of a mild alkali may be advantageous. Consult your HENKEL REPRESENTATIVE for recommendation regarding a TURCO alkaline rinse process.

**DRYING:** Dry parts by any conventional method as soon as possible after rinsing.

## **DISPOSAL INFORMATION:**

Dispose of spent solution per local, state and regional regulations. Refer to your local HENKEL REPRESENTATIVE or HENKEL MATERIAL SAFETY DATA SHEET for additional disposal information.

## **CAUTION:**

TURCO ZINCTONE contains sulphuric acid, nitric acid and chromate. Avoid contact with eyes, skin and clothing. Use with adequate (equivalent to outdoor) ventilation.

Protective clothing, such as a chemical face shield, goggles, gloves, boots and apron made from acid resistant neoprene should be worn when handling this product.

Always add TURCO ZINCTONE to water.

Transport and store in closed containers at temperatures from 0° to 50°C away from caustic materials.

Refer to container label or HENKEL MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.

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