



## **TURCO W.O. #1<sup>®</sup> AND TURCO W.O. #2<sup>®</sup>**

### **LIQUID ACID CLEANER AND DEOXIDIZER**

#### **DESCRIPTION:**

TURCO W.O. #1 and TURCO W. O. #2 are clear, colorless liquid acid cleaners and deoxidizers designed for use on aluminum and aluminum alloys by dip, spray and hand wipe methods.

TURCO W.O. #1 and TURCO W. O. #2 impart a satin finish to aluminum alloys as they clean and deoxidize and they produce an ideal base for paint adhesion on most aluminum alloys.

#### **DIFFERENCE BETWEEN TURCO W.O. #1 AND TURCO W. O. #2:**

TURCO W.O. #1 is used when cleaning is the principal purpose. TURCO W.O. #2 is recommended for use when removal of rust, corrosion and oxidation are the principal goals.

#### **HOW TO USE TURCO W. O. #1 AND TURCO W. O. #2:**

**Equipment:** Tanks and associated equipment should be fabricated from acid-resistant stainless steel, or plastics. Mild steel tanks and equipment are not suitable for long time usage.

#### **TURCO W. O. #1:**

**Hand Wipe Applications:** Use TURCO W. O. #1 at 15 to 25% in water at room temperature. Apply by brush or cloth saturated with solution. Gentle scrubbing speeds soil removal. Rinse with cold or warm water.

#### **Dip Applications:**

**Ambient Cleaning:** Use TURCO W. O. #1 at 20 to 25% in water at room temperature. Immerse for 3 to 10 minutes. Rinse with cold or warm water.

**Hot Tank Cleaning:** Use TURCO W. O. #1 with 10 to 15 parts of water. Maintain at desired temperature up to 60°C. Immerse for 3 to 10 minutes. Rinse with cold or warm water.

**Spray Methods:** Use TURCO W.O. #1 at 20 to 25% in water at room temperature. Apply by airless siphon spray, or TURCO Barrel Pump. Keep surfaces wet with spray until soil is removed. Brushing prior to rinsing helps remove stubborn soils. Rinse with cold or warm water.

#### **TURCO W. O. #2:**

**Hand Wipe Applications:** Use TURCO W.O. #2 at 15 to 20% in water at room temperature. Apply by brush or clothe saturated with solution. Gentle scrubbing speeds corrosion removal. Rinse with steam cleaner, hot or cold water.

**Dip Applications:**

**Ambient Cleaning:** Use TURCO W.O. #2 at 20 to-25% in water at room temperature. Immerse parts for 3 to 10 minutes. Rinse with cold or warm water.

**Hot Tank Cleaning:** Use TURCO W. O. #2 at 5 to 10% in water. Maintain at desired temperature, up to 60°C. Immerse parts for 3 to 10 minutes. Rinse with cold or warm water.

**Spray Methods:** Use TURCO W. O. #2 at 15 to 20% in water at room temperature to 60°C. Spray with siphon or non-atomizing spray. Rinse with cold or warm water.

**NOTE:** Always add TURCO W.O. #1 and TURCO W. O. #2 to water while mixing.

**RUST PROOFING TREATMENTS:**

To prevent rusting or corrosion, parts should be processed within four hours after cleaning. Parts should be protected with a suitable rust and/or corrosion inhibitor. TURCO Rust Preventive Oil HD and TURCO Water Displacing Oil have been found to retard rust and/or corrosion. Your TURCO Sales Engineer can recommend suitable rust and/or corrosion inhibitive products based upon your production needs.

**DISPOSAL INFORMATION:**

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

**WARNING!** Contact may cause burns to skin and eyes.

TURCO W.O. #1 and TURCO W.O. #2 contain acidic constituents. Avoid contact with eyes, skin and clothing. Do not take internally. Avoid prolonged breathing of fumes. Use with adequate (equivalent to outdoor) ventilation.

Protective clothing, such as a chemical face shield or goggles and gloves made from acid resistant materials should be worn when handling these products. A NIOSH-approved respirator should be worn during mist conditions.

Before using this product refer to container label and TURCO MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.

**NOTICE:**

*The above information and recommendations concerning this product are based upon our laboratory tests and field use experience with this or similar products. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product.*

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