



# **TURCO<sup>®</sup> 4008**

## **JET ENGINE CLEANING COMPOUND**

### **DESCRIPTION:**

TURCO 4008 is a highly alkaline, specialized chemical product formulated to condition high temperature oxide and scale associated with jet engine, super alloys and heat treated stainless steel alloys.

TURCO 4008 conditions the surface oxide and scale for more effective removal by subsequent chemical processing using TURCO 4338, TURCO 4338-C, or TURCO 4338 C RFU and TURCO ALKALINE RUST REMOVER (T-4181).

### **FEATURES:**

TURCO 4008 offers these features:

1. Nonflammable
2. Supplied in ready to use liquid form
3. Free of chromate and acids
4. Readily rinses from parts with water
5. Solution controlled by simple titration

### **USE INSTRUCTIONS:**

**Tanks:** Tanks and associated equipment must be fabricated from stainless steel.

**Descale and Conditioning:** Fill tank with TURCO 4008 to operating level. Operate tank from 270°F to 275°F. Immerse parts for 30 to 60 minutes, with mechanical agitation. Rinse parts in overflowing dip or pressure water spray or air/water pressure rinse gun. Complete rinsing is essential to obtain maximum penetration of subsequent chemical solution into oxide scale, and to minimize drag-in to subsequent processing tanks.

**Oxide Scale Conditioning:** Add TURCO 4338 at the ratio of 1.5-3.0 pounds per gallon of clean, cold water. Operate tank from 190°F to 200°F. Immerse parts for 30 to 60 minutes. Rinse with pressure water or by means of an overflowing, agitated tank. (See separate Turco Technical Data Bulletin, if using Turco 4338-C or TURCO 4338C RFU.)

**Oxide Removal:** Add TURCO ALKALINE RUST REMOVER (T-4181) at the ratio of 3 pounds per gallon of clean water. Operate tank from 190°F to 200°F. Immerse parts for 15 to 30 minutes. Pressure rinse with air/water rinse gun to blast off loosened oxide scale deposit.

## **CONTROL:**

A laboratory test procedure is available upon request. To extend the tank life of TURCO 4008 solution, precleaning of parts in a solution of TURCO ALKALINE RUST REMOVER (T-4181) at 2 lbs/gal at 190°F - 200°F is recommended, but not essential.

## **DISPOSAL INFORMATION:**

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

## **CAUTION!**

TURCO 4008 contains potassium hydroxide and phenol. Such hot alkaline solutions will produce chemical burns on contact with skin or eyes. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation.

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

Never dump large quantities of TURCO 4008 into water, since heat is liberated and local pockets of steam may be generated. Extreme caution must be exercised in adding water to solutions of TURCO 4008. Since they operate close to the boiling point of water, steam can be generated very rapidly, causing eruptions.

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.*

12/96  
TDB #188-2