

# TURCO<sup>®</sup> SCALE GON #5

## MILDLY ACIDIC SCALE CONDITIONER

### DESCRIPTION:

TURCO SCALE GON #5 is an acid activated yellow liquid used in the TURCO Jet Engine Process to condition and remove high temperature scale from jet engine parts.

### FEATURES:

TURCO SCALE GON #5 offers these features:

1. Supplied in liquid form
2. Free rinsing
3. Mildly acidic
4. Contains no EDTA
5. Not temperature critical - wide, safe operating range
6. Approved by Rolls Royce, Pratt & Whitney, and General Electric

### USE INSTRUCTIONS:

**Tanks:** Tanks and associated equipment should be made from acid and heat resistant materials.

**Mixing:** TURCO SCALE GON #5 is used at concentration of 20 to 30% by volume in water. Mechanical agitation is recommended. Operate TURCO SCALE GON #5 at 80 to 90°C.

**Rinsing:** Rinse with clean ambient water by immersion followed by pressure spray.

### SCALE REMOVAL PROCEDURE:

The following procedure is recommended for complete scale removal.

1. Clean and remove loose scale: TURCO ALKALINE RUST REMOVE (T-4181) or TURCO 4781-7, 180 to 360g/L, or TURCO LIQUID ALKALINE RUST REMOVER (T-4181-L), 30 to 75% by volume, 80 to 95°C, 30 minutes
2. Rinse: Immersion or pressure spray with ambient water.
3. Alkaline Permanganate Scale Conditioner and Remover: TURCO 4338 or TURCO 4338-C, 180 to 360g/L, 90 to 95°C, 30 minutes.
4. Rinse: Immersion or pressure spray with ambient water.
5. Acid Scale Conditioner and Remover: TURCO SCALE GON #5, 20 to 30% by volume, 80 to 90°C, 30 minutes.
6. Rinse: Immersion or pressure spray with ambient water.
7. Alkaline Scale Removal (Optional): TURCO 4409, 20 to 50% by volume, 25 to 60°C, 30 minutes
8. Rinse: Immersion or pressure spray with ambient water.
9. Neutralize: Repeat Step 1.
10. Final Rinse: Immersion and pressure spray with ambient water.

## **CONTROL:**

A laboratory test procedure is available upon request.

## **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 SCALE GON #5 contains citric and glycolic acids. 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 and apron made from acid resistant materials should be worn when handling and using this product.

Store in closed containers at temperatures below 50°C away from reactive metals.

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.*

Rev. 6/99(Sup.11/96)  
TDB #968