



TURCO[®] 4338

HOT SECTION JET ENGINE CLEANING COMPOUND

DESCRIPTION:

TURCO 4338 is an alkaline permanganate formulation developed specifically for jet engine cleaning. It is used to modify high temperature heat scale by chemically changing the structure of the oxide deposit to one that is less tenacious and properly conditioned for ease of removal.

TURCO 4338 should not be used on reactive alloys such as aluminum.

FEATURES:

TURCO 4338 offers these features:

1. A free flowing granular mixture having a characteristic permanganate color
2. Diluted with water for use
3. Used on all ferrous and high temperature alloys
4. Meets the corrosion requirements of MIL-D-26549A, Amd. 2
5. Used in mild steel tanks

USE INSTRUCTIONS:

Step 1. Immerse parts in TURCO Alkaline Rust Remover (T-4181) at 240 to 360 g/L and 90 to 95°C for 30 to 60 minutes.

Step 2. Water overflow dip rinse.

Step 3. Immerse parts in TURCO 4338 at 180 to 300 g/L and 90 to 95°C for 30 to 60 minutes. (Tanks may be of mild steel.)

Step 4. Water overflow dip rinse thoroughly.

Step 5. Final clean in TURCO Alkaline Rust Remover (T-4181) and 240 to 360 g/L at 90 to 95°C.

Step 6. Water dip rinse and follow with pressure rinse with air/water hand rinse gun to blast off the loosened scale deposits.

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.

DANGER! Contact may cause severe burns to skin and eyes.

TURCO 4338 contains potassium hydroxide, potassium permanganate and fluoride salt. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation.

TURCO 4338 is a strongly alkaline, highly-oxidizing compound which will produce burns on contact with skin. Protective clothing, such as a chemical face shield or goggles, gloves, boots and apron made from alkali-resistant materials should be worn when using and handling this product. A NIOSH-approved respirator should be worn when handling dry powders.

Make-up compound should be added to the tank by carefully sprinkling the powder on top of the tank solution while solution is being agitated. Add make-up compound to tank when tank has been allowed to cool to room temperature to prevent steam eruptions.

Hazardous carbon monoxide gas can be formed upon contact with food and beverage products in enclosed spaces and can be fatal. Follow appropriate tank entry procedure. (See ANSI Z117.1-1977.)

Store and transport in closed containers, away from organic materials, such as paints, lubricants, paper and wood products, at a temperature below 55°C.

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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