



## TURCO SMUT-GO<sup>®</sup> NC (Concentrate)

### NONCHROMATED DEOXIDIZER/ DESMUTTER FOR ALUMINUM ALLOYS

#### DESCRIPTION:

TURCO SMUT-GO NC CONCENTRATE is a dark brown liquid formulated to deoxidize/ desmut aluminum alloys by immersion or spray methods prior to conversion coating, anodizing, bonding and painting.

TURCO SMUT-GO NC CONCENTRATE is free of chromate and is designed to be used with 42°Bé nitric acid. It is equivalent to a solution of TURCO SMUT-GO NC in water; the equivalent concentration is 2.88 lbs/gal (46 oz/gal; 345 g/l). It is free of nitric acid.

#### FEATURES:

TURCO SMUT-GO NC CONCENTRATE offers these features:

1. Non-chromated
2. Readily miscible in water
3. Use at low temperatures
4. Readily rinses from parts with cool or warm water
5. Easy to control solution by simple titration
6. Ideal for use when low surface resistance is required
7. Can be used in spray or immersion methods

#### USE INSTRUCTIONS:

**Tanks:** Tanks and associated equipment, such as pumps, headers, and spray nozzles must be fabricated from stainless steel or acid resistant materials.

**Mixing:** Prepare an 18 to 35 % by volume solution of TURCO SMUT-GO NC CONCENTRATE in water. (This is equivalent to 8 to 16 oz/gal of TURCO SMUT GO-NC.) Use air or mechanical agitation. After the solution has been thoroughly mixed, slowly add 1.5 to 3% by volume of concentrated nitric acid (42°Bé) to TURCO SMUT-GO NC CONCENTRATE/water solution. Immerse parts in solution operated from 20 to 50°C, for 1 to 10 minutes. Actual time in solution will vary with alloys and the amount of soil to be removed. Use bath with air agitation for optimum performance.

**Rinsing:** Rinse with clean, cool to warm water, either spray or immersion methods. If immersion methods are used, tank should be overflowing type.

**NOTE:** If low resistance readings are required, solution should be made-up using de-ionized water. Rinsing should be either with overflowing de-ionized water or overflowing tap water followed by de-ionized water spray.

## **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!**

TURCO SMUT-GO NC CONCENTRATE contains acid fluoride. 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 and gloves, boots and apron made from acid resistant materials should be worn when handling this product. A NIOSH-approved respirator should be worn during mist conditions.

Transport and store containers at a temperatures below 55°C and away from organic materials.

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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