



TURCO[®] ALDOX V

NONCHROMATED DEOXIDIZER AND DESMUTTER FOR ALUMINUM ALLOYS

DESCRIPTION:

TURCO ALDOX V is a dark brown liquid formulated to deoxidize, de-smut, and lightly etch aluminum alloys by spray or immersion methods.

TURCO ALDOX V is free of chromate and is ideal for processing alloys that require low surface resistance, prior to anodizing, conversion coating, bonding or welding.

FEATURES:

TURCO ALDOX V offers these features:

1. Approved by **Boeing (BAC 5765)**
2. Free of chromate
3. Can be used either in spray or immersion systems
4. Readily soluble in water
5. Easy to control by titration
6. Etch rate can be adjusted to meet specific requirements
7. Effective at ambient temperatures

USE INSTRUCTIONS:

Equipment: Tanks, headers, pumps and associated equipment may be fabricated from stainless steel (316) or acid-resistant material. Do not use glass or fiberglass.

Spray & Immersion Systems: Fill tank one-half full with clear, cool water. While mixing, slowly add an amount of 42° Baumé Nitric Acid equivalent to 25% (23-27%) of the final solution volume. While mixing, slowly add an amount of TURCO ALDOX V equivalent to 15% (13 to 17%) of the final solution volume. Add water until final volume is reached. Agitate solution for 60 minutes. Air agitation is recommended for immersion system. Operate spray system at 20 to 31 psi.

Temperatures: Operate solutions within a temperature range of 10°C to 50°C. Optimum temperature is about 25°C for both spray and immersion systems.

Processing Time: Processing time will vary with alloy, condition of bath and temperature.

Rinsing: Rinse parts in cold, overflowing water or by spray methods. Rinse tanks should be changed daily for optimum results.

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 ALDOX V contains nitric and hydrofluoric acid. Avoid contact with eyes, skin and clothing. Do not take internally. Avoid prolonged breathing of vapors. 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 neoprene should be worn when handling and using this product. A NIOSH-approved respirator should be worn when handling liquid or during mist conditions.

Transport and store containers at a temperature below 55°C, and away from metals and glass.

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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