

TURCO[®] 5578-L

ALKALINE CLEANER AND ETCHANT FOR TITANIUM, COLUMBIUM AND TANTALUM ALLOYS

DESCRIPTION:

TURCO 5578-L is an amber, liquid compound formulated to clean and etch titanium, columbium and tantalum alloys by spray or immersion systems.

TURCO 5578-L readily removes mill soils, marking inks, lube oils, cutting oil and fingerprints at a low concentration and will etch titanium at higher concentrations.

TURCO 5578-L is an effective etch prior to adhesive bonding, diffusion bonding, painting, welding and brazing.

FEATURES:

TURCO 5578-L offers these features:

1. Boeing Approved
2. Supplied in liquid form
3. Can be dispensed by automatic equipment
4. Readily soluble in tap water at recommended concentrations
5. Concentration is controlled by simple titration
6. Readily rinses from metal with tap water
7. Nonflammable in liquid concentrate or solution form
8. Does not require post neutralization rinse

USE INSTRUCTIONS:

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

Charging Tanks: TURCO 5578-L may be used as received or diluted to 15% (v/v) with water. If it is to be diluted, charge the tank with 25% of the required amount of cool clean water. Start mechanical agitation and slowly add TURCO 5578-L to agitated tank. Add balance of cool clean water to operating level.

Processing Parts: Maintain tank at 80°C to 95°C. Immerse parts completely for 15 to 60 minutes with mechanical agitation. Rinse with warm to hot water, overflowing rinse is preferred.

CONTROL:

A laboratory test procedure is available upon request.

DISPOSAL INFORMATION:

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

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

TURCO 5578-L contains sodium hydroxide. 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 alkali resistant materials should be worn when using and handling this product. A NIOSH-approved respirator should be worn for mist conditions.

Add product to cold water with care to prevent local pockets of steam. Keep containers sealed when not in use. Transport and store in closed containers below 55°C.

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

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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