

TURCO[®] 4215 (T-4215 SPECIAL)

NONSILICATED ALKALINE CLEANER FOR IMMERSION AND SPRAY SYSTEMS

DESCRIPTION:

TURCO 4215 (T-4215 SPECIAL) is a yellow, granular mixture developed to clean aerospace metals, including metals that come in contact with LOX. TURCO 4215 (T-4215 SPECIAL) is ideal for cleaning fuel and hydraulic components and articles that require adhesive bonding, anodizing and conversion coatings.

TURCO 4215 (T-4215 SPECIAL) is suitable for use on steels, titanium, nickel, copper and aluminum alloys either in spray or immersion systems at operating temperatures from 60°C to 70°C.

TURCO 4215 (T-4215 SPECIAL) is not recommended for use on magnesium or its alloys.

FEATURES:

TURCO 4215 (T-4215 SPECIAL) offers these features:

1. Non-silicated - easily rinsed from parts
2. Readily soluble in water at recommended concentration
3. Leaves waterbreak-free surface
4. Will not corrode aluminum, steel, titanium, nickel and copper based alloys
5. Non-foaming at recommended concentrations and temperature
6. Operates at moderate temperature from 60°C to 70°C
7. LOX compatible

USE INSTRUCTIONS:

TANKS: Tanks and associated equipment can be fabricated from mild steel or stainless steel.

SPRAY SYSTEMS: Add TURCO 4215 (T-4215 SPECIAL) @ 7.5 to 15g/l of clean water. Operating temperature is from 60°C to 70°C, with a spray pressure of 20 to 30 psi. Normal contact time is from 1 to 2 minutes.

IMMERSION SYSTEMS: Add TURCO 4215 (T-4215 SPECIAL) @ 30 to 45g/l of clean water. Operating temperature is from 60°C to 70°C, with air or mechanical agitation. Normal contact time is from 5 to 10 minutes.

ULTRASONIC SYSTEMS: Add TURCO 4215 (T-4215 SPECIAL) @ 3.25 to 15g/l of clean water. Cleaning time is dependent upon the amount and type of soil. For optimum results, do not allow the solution temperature to exceed 45°C during ultrasonic operations.

RINSING: Rinse parts with cold to warm water as soon as possible after cleaning.

NOTE: Ferrous and aluminum parts should be protected from corrosion. Your TURCO Sales Engineer can recommend a suitable corrosion preventive or water displacing oil based upon your production requirements.

SPRAY AND IMMERSION BATH ADDITIVE: TURCO 4215 ADDITIVE, used @ 1% to 2% by volume of TURCO 4215 (T-4215 SPECIAL) solution is recommended when difficult to remove soils are encountered.

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.

CAUTION!

TURCO 4215 (T-4215 SPECIAL) contains chromates and nitrates. 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, boots and apron, made from alkali-resistant materials, should be worn when handling and using this product. A NIOSH-approved respirator should be worn when working in confined or enclosed areas or during mist conditions.

Store in closed containers away from excessive heat.

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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