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Product Title: TURCO ALDET®

Product View: TURCO ALDET®

Description:

Status:

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Technical Process Bulletin

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TURCO ALDET®

DESCRIPTION:

TURCO ALDET is a non-silicated, caustic free, mildly alkaline granular product designed for immersion cleaning applications. TURCO ALDET is recommended for cleaning aluminum and aluminum alloys without etching the aluminum alloy itself. TURCO ALDET may also be used for cleaning ferrous and non-ferrous metals such as copper, brass, magnesium and zinc.

HANDLING CHARACTERISTICS:

TURCO ALDET contains mildly alkaline materials. Contact with the skin or eyes may cause irritation. Personnel should wear eye protection, rubber gloves, apron or other protective clothing when working with TURCO ALDET. Tanks used for TURCO ALDET should be provided with an adequate exhaust system to protect workers against irritating, airborne contaminants. Material Safety Data Sheets are available upon request from Henkel Surface Technologies.

EQUIPMENT RECOMMENDATIONS:

Mild steel or stainless tanks and heating equipment are suitable for TURCO ALDET

OPERATING INSTRUCTIONS:

Recommended operating conditions for TURCO ALDET are:

Concentration: 4 to 6 oz/gal (30-45 g/L)
Temperature: 120°-145°F (40°-63°C)
Time: 2-10 minutes

SOLUTION CONTROL:

1. Pipette a 10 mL sample of the TURCO ALDET bath and place in a 250 mL Erlenmeyer flask.
2. Add 50 mL of distilled water, 5 drops of Methyl Orange indicator and add 1 g of Mannitol. Mix well.
3. Titrate with 1.0N Hydrochloric Acid to an orange end point.

4. Add 5 drops of Phenolphthalein to the above and titrate with 1.0N Sodium Hydroxide (NaOH) until a red point is reached which persists for 30 seconds. Record mL of 1.0N NaOH required.

CALCULATIONS:

oz/gal TURCO ALDET = 1.70 x (mL 1.0N NaOH)

g/L TURCO ALDET = 12.75 x (mL 1.0N NaOH)

STORAGE:

TURCO ALDET should be stored in closed containers located in a cool, dry area away from acidic products.

WASTE DISPOSAL:

TURCO ALDET may require neutralization to a specified pH range depending on Federal, State and Local waste treatment regulations. Waste disposal methods for TURCO ALDET are available upon request from Henkel Surface Technologies.

PRECAUTIONS:

WARNING: HARMFUL IF SWALLOWED. CAUSES IRRITATION TO SKIN AND EYES.

Contains Sodium Tetraborate and alkaline salts. Do not get in eyes, on skin, on clothing. Avoid breathing dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

FIRST AID:

Ingestion: Do not take internally. If swallowed, dilute by drinking large quantities of water or milk. DO NOT induce vomiting. Do not attempt to give liquids or induce vomiting if victim is unconscious or having convulsions. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation: Remove victim to fresh air. If victim is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. GET MEDICAL ATTENTION IMMEDIATELY.

Eye Contact: Immediately flush with clean, running water for at least 15 minutes, raising upper and lower lids periodically. GET MEDICAL ATTENTION IMMEDIATELY.

Skin Contact: Flush skin immediately with plenty of water for at least 15 minutes. Wash with mild soap and water. Remove contaminated clothing. If irritation or burns are present, GET MEDICAL ATTENTION IMMEDIATELY.

KEEP OUT OF REACH OF CHILDREN!

ATTENTION: When empty, containers may still be hazardous because of product residue, in either liquid, solid or vapor form. All labeled hazard precautions must be observed.

TESTING REAGENTS AND APPARATUS

(Order only those items which are not already on hand.)

<u>Code</u>	<u>Quantity</u>	<u>Item</u>
592477	1	Buret assembly, 25 mL automatic
592488	2*	Flask, Erlenmeyer, 250 mL
592475	1	Indicator dropping bottle
592492	2*	Pipette, 10 mL volumetric
592494	1	Pipette filler
592398	1 qt	Indicator 3 (Phenolphthalein)
592440	1 gal	Titration Solution 60 (1.0N HCl)
592445	1 gal	Titration Solution 89 (1.0N NaOH)
592399	250 mL	Indicator 4 (Methyl Orange)

*Includes one more than actually required, to allow for possible breakage.

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