Deoxidizer 4

Deoxidizer 4 is a dry acid salt which may be used for deoxidizing and de-smutting (light smut) wrought aluminum alloys (including Alclad) in a rack, barrel or power spray lines.

Deoxidizer 4 is free of chromates, nitrates and fluorides.

Features & Benefits

Non-fuming	Safer work environment
Powder	Lower shipping and storage cost (no temperature issues)
100% active	Small inventory footprint

Operating Conditions

Concentration	8 – 18 (60 – 135 g/L)
Temperature	Room
Equipment	PVC 316 stainless, Polypropylene or rubber lined
Agitation	Air agitation is beneficial in that agitation will markedly improve the rate of smut removal

Titration Method

<u>Chemical and Equipment</u>

20 mL pipette
25 mL pipette
250 mL Erlenmeyer flask
50 mL burette
100 mL graduate
Concentrated Hydrochloric Acid
30% (weight) Potassium Iodide solution
Starch indicator solution
0.1N Sodium Thiosulfate solution

1. Pipette 25 mL of the solution into a 250 mL Erlenmeyer flask and dilute to 100 mL with water.
2. Add 25 mL Conc. Hydrochloric Acid and 20 mL of 30% Potassium Iodide solution.
3. Let stand 5 minutes, then titrate with 0.1 N Sodium Thiosulfate to the straw color. Note: solution must stand for 5 minutes before titrating with Sodium Thiosulfate solution.
4. Add 2 mL of soluble starch solution and continue titrating until the solution becomes colorless and remains colorless for a minute.

Calculation

mL OF 0.1N Sodium Thiosulfate X 0.51 = OZ/Gal Deoxidizer 4

Waste Disposal

Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Deoxidizer 4 is a dry acid salt and should be handled accordingly. Avoid contact with skin and eyes. Wear protective clothing, goggles and rubber gloves. Flush exposed areas immediately with clean, cold water. In case of injury, contact a doctor immediately.

WARRANTY: HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS CONCERNING OUR PRODUCTS, INCLUDING BUT NOT LIMITED TO, LIMITATIONS AND DISCLAIMERS OF WARRANTIES AND LIABILITIES.

Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**[136].