



Desmutter PW

Desmutter PW is an iron free, nitric acid, fluoride containing liquid used for etching titanium alloys. It may also be used to deoxidize and remove smut from aluminum alloys.

Features & Benefits

High activity	Small storage footprint
Versatile	Used on titanium and aluminum; simpler inventory management
Contains fluoride	Fast acting; higher productivity

Operating Conditions

Concentration	Use as received
Temperature	Ambient
Immersion Time	As required to achieve desired etch
Agitation	Suggested for some applications-movement of work and/or solution will decrease etch time
Ventilation	Required to eliminate fumes from etch operation
Equipment	Tanks should be constructed of Polypropylene or Polyethylene. Polypropylene should be used when solution is used at 120°F
Cooling/Heating	Teflon exchangers

Note: to increase etch rate raise operating temperature to 100°F to 120°F.



Etch rate

Continuous use of the Desmutter PW will result in a metallic buildup in the solution and in time causing the etch rate to slow down. An option open to restore the etch rate for a period is to raise the operating temperature from ambient to 100°F to 110°F.

Control

Discard solution when etch rate diminishes to an unacceptable rate*.

*May be replenishable in certain applications.

Waste Disposal

Consult Safety Data Sheet for complete details on spillage and waste treatment.

Caution

Desmutter PW is an acidic product containing oxidizing acid and fluoride acids and should be handled accordingly. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles, when handling the product.

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