

Approvals and conformities

AIRBUS Group

API 02-01-003, 02-01-002, 02-05-001

SOCOSURF A1850 is an acidic additive that can be used

- in fluonitric acidic bath in complement of hydrofluoric acid
- as an additive in SOCOSURF A1858/A1806 desoxidiser bath to maintain performances and lengthen the bath life

USES

SOCOSURF A1850 can be used

1/ in fluonitric acidic baths that are used for removing oxides, scales, and also for dissolution of titanium. These baths are used in pickling, decontamination, chemical milling titanium processes and stainless pickling process.

These baths are currently used after a degreasing step in order to optimise their efficiency.

In titanium process, they are used after heat treatment and hot forming, and before bonding, welding, painting...

2/ in SOCOSURF A1858/A1806 deoxidizer bath for aluminium alloys.

DIRECTIONS FOR USE

1/ In fluonitric baths, SOCOSURF A1850 should be concentrated at

- 14-17% for bath with quick dissolution
- 50-56% for bath with slow dissolution

To set up the bath for titanium pickling

1. Fill the tank first with half of the total needed demineralised water
2. Start the agitation
3. Add SOCOSURF A1850
4. Add the necessary hydrofluoric acid
5. Top up with the remaining demineralised water to the required volume

Be careful to avoid splashes when adding products.

2/ In SOCOSURF A1858/A1806 baths, see SOCOSURF A1858/A1806 technical data sheet.

TECHNICAL CHARACTERISTICS

Appearance clear liquid
Colour colourless to yellow
Specific gravity 1.3
SOCOSURF A1850 undiluted pH < 1

PRECAUTIONS FOR USE AND STORAGE

Please read the safety data sheet before using SOCOSURF A1850.

This technical data sheet replaces and cancels the previous one.

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