

DC 21 LIQUID

PICKLING LIQUID FOR ALUMINIUM AND ITS ALLOYS

CHARACTERISTICS

The **DC 21** liquid has been created to remove oxides from aluminium and its alloys. A bright, very rapid pickling is achieved and surfaces treated with the **DC 21** liquid will be perfectly clean and bright.

USE

The **DC 21** pickling liquid is supplied ready to use ($d = 1.17$ at 20°C); our technical office may possibly recommend other dilutions depending on the article to be treated.

Plants where the work is performed

- The work is performed manually inside polyethylene or PVC tanks.
- We recommend the use of a suitable fume suction system and sealing covers for the tanks when the tank is not in operation

Working temperature and treatment time

- The **DC 21** tank works well at ambient temperature.
- The treatment time may vary depending on the oxidation conditions of the surfaces to be treated and the quantity of material to be removed. The time may vary from a minimum of 5 seconds to a maximum of 1 hour depending on the dilution adopted.

Treatment cycle

- First of all it is necessary to ensure that the surface to be pickled is completely grease-free.
- Wash the pieces thoroughly in clean cold running water following the degreasing treatment, then carefully remove all droplets to avoid diluting the **DC 21** liquid.
- Then immerse in the **DC 21** liquid for the necessary time and subsequently wash again using running water.
- Rinsing, using high-pressure equipment produces the best results.

Tank supply

It is good practice to periodically check the tank to ensure that the pickling characteristics do not fall below acceptable levels.

The liquid level in the tank should be maintained by adding fresh product.

The tank may be kept supplied in this way without needing to drain the tank.

Detailed instructions may be requested on this subject.

OBSERVATIONS

The *DC 21* pickling liquid is very acid. It is therefore a corrosive product.

Wear rubber gloves, spray-proof goggles and rubber aprons when using the product. Follow the safety recommendations indicated on the packaging.

Should the pickling liquid come into contact with the skin or the eyes, despite precautions, wash abundantly with running water and subsequently neutralise using a 5% sodium bicarbonate solution.

Consult a doctor.

DISCHARGE WATER

The wash water is acid and contains traces of heavy metals. The water must not be discharged directly but requires adequate neutralising and separation treatment.

We recommend the use of **NEUTRIL CS** which combines neutralisation and precipitation actions of the heavy metal salts in the water treatment plants that our Company is in a position to supply.

In conclusion, we would remind users that the muds produced must be delivered to a Company authorised by the Region for their disposal and the relative details must be entered in a stock register.