Product Info

Gardoclean® T 5281

Borate-free aluminium cleaning



Advantages:

- Borate-free
- Meets the requirements of Regulation 648/2004/EC on detergents
- **◆** Liquid product easy application
- Low salt content reduced scaling
- Only low product concentration required
- Low foaming
- Excellent cleaning results achievable even at low temperatures
- Minimized attack

Specially designed for cleaning aluminium:

- in the anodizing process
- in the pretreatment process

Chemetall provides an extensive portfolio of eco-friendly products for surface treatment — and in addition, offers a wide range of integrated added-value services related to their use. Highly experienced local staff can provide help in many areas, including quality control, environment and staff training.



Gardoclean® T 5281

With Gardoclean® T 5281 Chemetall offers a completely borate-free cleaning technology specifically designed for cleaning aluminium in the anodizing and the pretreatment processes.

Borate-free Gardoclean® T 5281 helps to meet the challenge of new EC CLP Regulation

The European Commission Regulation (EC) No 790/2009 amending the Regulation (EC) No. 1272/2008 concerning the classification, labeling and packaging of substances and mixtures has had an impact on cleaner classification and labeling.

Today's standard:

- from December 1st 2010 all mixtures containing borate have had to be reclassified
- all products containing 8.5 % (and over) of borax now need to be labeled with the skull and crossbones

Most powder degreasers for anodized aluminium contain borate — and from December 1st, 2010, these cleaners formerly regarded as harmless are now classified as toxic.





Usage of Gardoclean® T 5281:

- Bath temperature:
 45-75 °C (preferably 55 60 °C)
- Concentration: 30 60 g/l
- Product consumption: $2 4 \text{ g/m}^2$
- Automatic dosage possible

The ready-to-use liquid product is easy to apply — no need to dissolve a powder product — and provides good cleaning results even at temperatures below 60 °C (depending on the condition of the parts).

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