

## ASA Bio-Derosta® L-3

### Biological complexing agent for de-rusting

- Description:** Biological complexing agent for removal of rust from metal parts.  
Concentrate to make dipping bathes.
- Product benefits:** The currently most used procedures for de-rusting are
- Etching with hydrofluoric acid or other highly concentrated inorganic acids
  - Sandblasting
- The use of ASA Bio-Derosta® has the following advantages:
- No wear of tools
  - No adverse effects on the health of the participants due to corrosive vapors or dusts
  - Skin friendly pH
  - > 98% biodegradable
- Dosage:** For application as dipping bath: five liters of water are added per one liter **ASA Bio-Derosta®** (10 liters of **ASA Bio-Derosta®** yield 60 liters of dipping bath).
- Application:** Pretreatment  
The metal parts could be cleaned by commercial defatting bath.
- De-rusting  
Place nonfat metal parts in the dipping bathes. Duration of de-rusting depends on both thickness of the rust and the temperature of the dipping bath, and lasts 10 minutes to 2 hours. It is important to cover the parts completely by the liquid. The de-rusting process is finished if the rust is easily rubbed of
- After treatment  
Wash up the parts thoroughly with water. Big parts should be hosed down by using high pressure. The parts can be treated with commercial preservatives to prevent from rusting again.

Reuse

The de-rusting solution can be used several times. However increasing use of it prolongs the duration of processing, the solution uses up gradually.

Shelf life of the solution ready for use

The bath shall be used within seven days after preparation and shall be disposed of subsequently.

Advice: The de-rusting may be improved resp. accelerated by following methods:

- Warming of the bath for de-rusting up to 50 °C
- Recirculation of the solution while treatment
- Movement of the parts in the dipping bath

Order-No.: 9050

Delivery form: light-yellow, clear liquid

Storage: room temperature (ca. 20°C)

Shelf life: at least 1 year



III. 1: GS16MN5N-moldings before de-rusting



III. 2: GS16MN5N-moldings after de-rusting with ASA Bio-Derosta® L-3