

ATRON® DC



Water-based cleaning agent for the removal of coating material from pallets, fixtures and tools

ATRON® DC is the world's first water-based cleaning agent specifically developed for maximum decoating power at the highest level of operator safety. It reliably removes different coating materials including acrylics, urethanes, and epoxies from pallets and fixtures. ATRON® DC is suitable for use in most maintenance cleaning equipment*, especially dip tank and ultrasonic processes.

* Please check with ZESTRON to confirm material compatibility.

Areas of Application: Coating Frames

| Recommended Applications | Additional Product Information |
|--------------------------|--|
| Acrylic-based Coatings | Material Compatibility Overview Safety Data Sheet |
| Urethane-based Coatings | |
| Epoxy-based Coatings | |
| Silicone-based Coatings | |

Key Benefits

- Water-based, non-hazardous formulation
- High operator safety – use of aggressive stripping chemistries is not necessary anymore
- Strong decoating performance

Process Steps

Please note that coating materials can exhibit varying behaviors during the removal process. In some cases, the coating will peel off in layers or dissolve in the cleaning bath. In cases where the coating material peels off in layers, additional maintenance steps are to be considered. For further details, reference the cleaning process below. Slight coating residues remaining on the parts can be removed with a cloth or brush.

| Cleaning Process | Parts | 1. Cleaning | 2. Rinsing | 3. Drying |
|---------------------------|------------------|-------------|------------------------------|--------------------------------|
| Dip Tank ¹ | Pallets/Fixtures | ATRON® DC | DI-water at room temperature | Air dry or hot/circulating air |
| Ultrasonic ¹ | Pallets/Fixtures | ATRON® DC | DI-water at room temperature | Air dry or hot/circulating air |
| Spray-in-air ² | Pallets/Fixtures | ATRON® DC | DI-water at room temperature | Air dry or hot/circulating air |

¹ If coating is removed in layers rather than dissolving into the bath, regularly remove undissolved coating to avoid residual redeposition onto fixtures/pallets.

² If coating is removed in layers, verify spray bars and filters remain unobstructed to achieve steady flow. Please refer to the Material Compatibility Overview prior to cleaning plastics.

Technical Data: ATRON® DC at 25% Concentration

| | | |
|--|-----------------------------------|--------------------------|
| Density | (g/cm ³) at 20°C/68°F | 0.99 |
| Surface tension | (mN/m) at 25°C/77°F | — |
| Boiling point | °C/°F | 98 – 205°C / 208 – 401°F |
| Flash point | °C/°F | None until boiling |
| pH value | 10g/l H ₂ O | Neutral |
| Vapor pressure | (mbar) at 20°C/68°F | Approx. 20 |
| Cleaning temperature | °C/°F | 25 – 65°C / 77 – 150°F |
| Solubility in water | | Soluble |
| Application concentration ¹ | Concentrate | 20 - 25% |
| HMS Rating | Health-Flammability-Reactivity | 0 - 0 - 0 |

¹ ATRON® DC is recommended to be diluted in DI-water

Product Features & Cleaning Standards



100% compliance with EU guidelines (RoHS 1, 2 & 3, WEEE)



Product is free of any critical substances according to SIN & SVHC lists

Environmental, Health & Safety Regulations

- ATRON® DC is water-based and biodegradable.
- ATRON® DC is formulated free of any halogenated compounds and therefore environmentally friendly.
- This product is a non-hazardous material.
- Refer to the SDS for specific handling precautions and instructions.

Availability & Storage

| | |
|-----------|---|
| 1 Liter | ✓ |
| 5 Liter | ✓ |
| 25 Liter | ✓ |
| 200 Liter | ✓ |

- Available as concentrate
- Store ATRON® DC in the original container at a temperature between 5 - 30°C / 41 - 86°F.
- The product has a minimum shelf life of 5 years in factory sealed containers.



Process Optimization



To ensure a stable running cleaning process, it is important to monitor cleaning agent concentration. For ATRON® DC the following process support product is available:



Concentration measurement:

- ZESTRON® Bath Analyzer 20 is a manual test method for fast and reliable checks of cleaning agent concentration.

Contact ZESTRON's Application Engineering Team for more information or trials:
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