Strong adhesive remover for ultrasonic applications



ZESTRON® ES 200 is a modified alcohol cleaning agent designed to remove epoxies (SMT adhesives and conductive adhesives) from tools (particularly dispensing needles) and electronic manufacturing substrates in ultrasonic cleaning equipment.

Areas of application: Maintenance cleaning		Additional product information:
SMT adhesive	++	
Conductive adhesive	++	Technical Information 3 : Material compatibility overview
Other adhesives	+	
Rosin based flux residues	0	

⁺⁺ highly recommended, best results

+ recommended

0 possible

- not recommended

Technical Centers - ① America, ② Europe, ③ Malaysia, ④ North-China, ⑤ South-China Cleaning Process Solutions under Production Floor Conditions











Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials: Phone: +49-841-635-26; Email: techsupport@zestron.com

Advantages compared to other solvent cleaners:

- ZESTRON® ES 200 has a high bath loading capability and therefore a long bath life as well as low maintenance costs.
- Specifically formulated to remove even persistent adhesive residues.
- Due to its high flash point, ZESTRON[®] ES 200 can be used in ultrasonic baths at a temperature between 20 - 60°C / 68 - 140°F.
- To ensure a short drying time, rinsing with ZESTRON® HC or water is recommended.

Please refer to the material compatibility list (Technical Information 3) before cleaning plastics.

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Process Steps	1. Cleaning	2. Rinsing	3. Drying
Ultrasonic	ZESTRON® ES 200	ZESTRON® HC or water	Hot or circulated air

Technical Data					
Density	(g/ccm) at 20°C/68°C	1.11			
Surface tension	(mN/m) at 25°C/77°F	37			
Boiling range	°C/°F	204 – 242 / 400 – 468			
Flash point	°C/°F	90 / 194			
pH-value	10g/l H ₂ O	Neutral			
Vapor pressure	(mbar) at 20°C/68°F	< 1			
Solubility in water		Soluble			
Cleaning temperature	°C/°F	20 – 60 / 68 – 140			
Application concentration	Ready-to-use	Pure			
HMIS Rating	Health-Flammability-Reactivity	1 – 2 – 0			

PRODUCT FEATURES



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



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

Typical application:



Cleaning of dispensing needles with ZESTRON® ES 200 in an ultrasonic tank



Rinsing of dispensing needles with ZESTRON® HC (see alternative product recommendation)

Environmental, health and safety regulations:

- ZESTRON® ES 200 is formulated free of halogenated compounds and is biodegradable.
- Refer to the MSDS for specific handling precautions and instructions.

Availability/storage:

- ZESTRON® ES 200 is available in 11 bottles, 51 or 251 containers and 2001 drums.
- Store ZESTRON® ES 200 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.

Alternative product recommendation:

• For manual cleaning of dispensing needles, we recommend ZESTRON® HC.

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