

Instructions for use

EcoCleaner

The electrolyte used to remove oxidation colours after TIG welding is 100% biodegradable, pH-neutral to the skin, and subject to no transport or storage restrictions – making it ideal for use on the go. Oxidation caused by welding is reliably removed and a new passive layer is formed. The treated surfaces remain matt and do not take on any shine.



- **Before use**, please refer to the relevant safety data sheets and the operating instructions in the user manuals for REUTER weld seam cleaning equipment.
- **Areas of application:** For sensitive conditions where acidic electrolytes or hazardous goods must not be used, where the transport or storage of hazardous goods is not possible and where simple disposal of the waste water is required.
- **Application:** EcoCleaner can be used with any standard weld seam cleaning unit, with a carbon fibre brush or felt electrode. The operating voltage should not be too high; ideally below 12V. The brushes must be frequently immersed in the wide-neck container to absorb fresh electrolyte and cool down. For AutoFeed applications, the flow rate must be increased. Operate using alternating current (AC) only. Not suitable for polishing. Well suited to matt stainless steels. It produces no shine whatsoever. Neutralisation of the surface after cleaning is not required; thorough rinsing with water is sufficient.
- **Special features:** The carbon fibres bend more easily and the brush should be reshaped against the rim of the wide-necked container. With the EcoCleaner, you can also clean a little more vigorously and with greater pressure. More vapour is produced during use than with phosphoric acid-based electrolytes. This is due to the lower boiling point. Unlike our standard electrolytes, the brushes must be thoroughly rinsed with water and cleaned after use; otherwise, the fibres will stick together and become hard. If this does happen, simply soak the brush in EcoCleaner and rinse it with water.
- **Passivation:** The surfaces are passivated after cleaning. The passivation layer can be detected using Korropads in accordance with DIN 50024 (Item No.: EP-04-799).
- **Disposal:** As EcoCleaner is proven to be 100% biodegradable, the wastewater does not require further treatment. Only the heavy metal concentrations of Cr and Ni need to be monitored, and the regional limit values for discharge into the sewerage system must be adhered to. As a rule, this is the case for TIG welding up to 180A on thin sheets with orange to bluish colour tones. You are welcome to send us a wastewater sample, which we will have analysed for you in our laboratory.
- **Protective equipment:** No personal protective equipment is required. However, for prolonged use, we recommend wearing nitrile gloves and safety goggles.
- **Transport and storage:** This product is not subject to any transport or storage restrictions.