

Anti-Rust

KT-CC-ATR

Liquid rust inhibitor for ferrous components · post-cleaning corrosion protection

DILUTION 2–5% in water	TEMPERATURE Ambient–50 °C usable to 80 °C	CONTACT TIME 1–2 min do not rinse off	PH CONCENTRATE 8–11 mildly alkaline
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DESCRIPTION

Anti-Rust protects ferrous components against corrosion after cleaning. Used as a rust-inhibiting treatment following alkaline cleaning or degreasing, it protects parts through in-plant storage and handling – steel continually immersed in an Anti-Rust solution will not rust. Also used as the inhibiting rinse after acid derusting or descaling. Contains no caustic, so treated parts are safe to handle and use. For ferrous metals only – steel, cast iron and alloys of iron; not for sensitive metals such as aluminium or zinc.



KEY BENEFITS
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- Holds parts rust-free through in-plant storage and handling
- No caustic – treated parts are safe to handle
- Economical – effective at 2–5% concentration
- Completely water-soluble liquid, easy to dose

Engine reconditioning

General manufacturing

Pre-plating & pre-painting storage

Heavy machinery

TYPICAL CHARACTERISTICS
from SDS §9

Form / appearance	Yellowish-green liquid
Odour	Mild ammoniacal
Solubility in water	Complete
Density	1.20 g/cm³ at 20 °C
pH, concentrate	8–11
Viscosity	6 mm²/s at 20 °C
Boiling point	> 100 °C

Typical values only – consult the specification sheet. Sourced from the Kleentek SDS (KT-CC-ATR, v2.1, issued 01 Oct 2024).

USE RECOMMENDATIONS

Rinse tank treatment	At the dilution and temperature above – final stage after ultrasonic or alkaline cleaning
Contact time	1–2 minutes
Continual immersion	Ambient – steel components held rust-free in the soak tank until required for plating or painting
Spray application	On manufactured steel and cast iron components
After treatment	Do not rinse parts after removal from the Anti-Rust solution – the inhibiting film is the protection

Maintain concentration by topping up as drag-out occurs; Kleentek can advise a dosing and replacement regime for your tank.

MATERIAL COMPATIBILITY

Ferrous – steel · cast iron · alloys of iron · stainless steel
Non-ferrous – nickel & alloys · titanium · chrome plating
Plastics & composites – HDPE · polypropylene · PVC · nitrile · EPDM · Viton
Other – glass · painted surfaces
Not suitable
Ferrous metals only. Aluminium · zinc and galvanised · magnesium · tin and soft solder.
Copper, brass and bronze – the ethanolamine content attacks copper alloys and can cause stress-corrosion cracking in brass.

Always confirm compatibility by testing with your specific contaminants under your specific cleaning conditions.

SOILS REMOVED	Not applicable — Anti-Rust is a corrosion inhibitor, not a cleaner. Apply to clean, dry components.	
AVAILABILITY & quality	10 L KT-CC-ATR-10	20 L KT-CC-ATR-20
Minimum order quantity 10 L; larger sizes on request. Manufactured under Kleentek's ISO 9001:2015 certified quality management system — a Certificate of Analysis for the supplied batch is available on request.		
TRANSPORT	Dangerous goods — UN 3082, Class 9, PG III. Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	
SAFETY & HANDLING	Classified as hazardous — GHS Warning: harmful if swallowed; causes skin irritation and serious eye irritation. Wear protective gloves and eye protection when handling the concentrate. Refer to the Safety Data Sheet (KT-CC-ATR, v2.1); the SDS takes precedence over this document in all matters of safety.	