



PRODUCT DATA

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FERROTECH ACL-3

Ferrotech ACL-3 is a mild acid cleaner for removal of grease, soil and light oxides from ferrous surfaces. The best performance is in the range 60-75°C (140-170°F). Solutions of Ferrotech ACL-3 at lower temperatures, the cleaning will be retarded, while at higher temperatures the pickling process is extremely intensified and this will lead to unnecessarily increase cleaner consumption. Time of cleaning depends on steel surface condition. Parts with hot scale and heavy oil layer can be cleaned for 7-8 minutes in a rotated barrel and parts with metal oily surface would be cleaned in 4-5 minutes. The cleaner is most effective when used with ultrasonic. The cleaning time then is 2-3 seconds, which is suitable for continuous wire, tubing or strip lines.

The cleaner is supplied as liquid concentrate readily dissolved in water, and is used at 8-10% concentration. The cleaner remnants are easily removed from the parts surface during rinsing.

The oil and grease removed from the parts partially float on the tank surface and partially precipitate at the tank bottom.

They should be skimmed and bottom dragged on a regular basis.

Chemical and Operating Data

Appearance

	Transparent brownish liquid
Specific gravity, g/cm ³	1.30
Weight per gallon, pound	10.8
Use concentration, %	8-10
Concentrate pH	0.5-1.0
Working solution pH	2.1-2.2
Working solution temperature °C (°F)	60-75 (140-170)

Safety and Handling

FERROTECH ACL-3 has unlimited shelf life in closed drums. Use rubber gloves, apron, boots and goggles or face shield when handling.