

UNISTAR HARDWICK CLEANER

UNISTAR HARDWICK CLEANER is general purpose room temperature cyanide cleaner for all metals practically non-caustic, since it is formed electrolytically on the surface of the work, exactly. The cleaning action of the solution is both chemical and mechanical, due to the mildly abrasive action of the constituents due to gassing on the surface of the work during electrolysis.

OPERATING CONDITIONS

	FERROUS	NON-FERROUS
UNISTAR HARDWICK CLEANER	50 - 75 g/ltr.	30-45 g/ltr
Temperature	70° - 80°C	60° - 70°C
Time	2 - 5 min.	1 - 4 min.

BATH MAKE UP

- Fill the cleaning tank with warm water to 2/3rd of its final volume.
- Add the required amount of UNISTAR HARDWICK CLEANER and stir to dissolve completely.
- Fill the tank to the working level and heat it to the operating temperature.

CONTROL

The cleaner solution can be easily controlled by removing floating oil over the surface either manually or by means of circulating pump and an oil trap regularly. The bath concentration can be maintained by analysing alkalinity of the solution by simple acid base titration using phenolphthalein as an indicator.

CAUTION

UNISTAR HARDWICK CLEANER is alkaline in nature and contact with skin or eyes should be avoided.

NOTE

The data set forth in this bulletin is believed by PATEL CHEMICALS to be true, accurate and complete, but is not guaranteed. Our sole warranty is as in standard Terms and Conditions of sale .We cannot warrant that our customers will achieve the same results from any bulletin because we do not have control over customers use nor can we assume any responsibility of our product in a manner which infringes the patent of third parties.

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