FERROLEX HD 51

FERROLEX HD-51 is a heavy duty alkaline soak cleaner for effective removal of heavy duty oil and soil from ferrous and non-ferrous metals. The system has a long service life with very good cleaning effect. It is alkaline in nature without cyanide and any complexing agent and cleans the surface totally making it active and bright for plating operations.

OPERATING CONDITIONS:

<table>
<thead>
<tr>
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<th>FERROUS</th>
<th>NON-FERROUS</th>
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<tbody>
<tr>
<td>FERROLEX HD-51</td>
<td>50-75 g/ltr.</td>
<td>25-30 g/ltr.</td>
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<tr>
<td>Temperature</td>
<td>70-80°C</td>
<td>60-70°C</td>
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<tr>
<td>Time</td>
<td>2-5 min.</td>
<td>1-4 min.</td>
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BATH MAKE UP:

- Fill the cleaning tank with warm water to 2/3rd of its final volume.
- Add the required amount of FERROLX HD 51 and stir to dissolve completely.
- Fill the tank to the working level and heat it to the operating temperature.

EQUIPMENT:

Plain steel tank is recommended. Heater made up of steel or quartz can be used for heating purposes.

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:

FERROLEX HD-51 is alkaline in nature and contact with skin or eyes should be avoided.

WASTE TREATMENT

Spent FERROLEX HD-51 solutions are alkaline and may contain particles of metal proceed through the operating solutions. Spent solutions must be neutralised prior to discharge into a sewer system. The most economical method of neutralisation is to mix the spent solution with effluent from acid solution prior to entering the neutralisation sump or tank to take advantage of the mutual adjustments of final effluent. Allow the precipitate that forms to settle or filter the solution prior to discharge into the sewer.

NOTE:

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