

**TECHNICAL DATA SHEET****T Cleaner 70****Alkaline Cleaner**

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| <b>Description</b>      | A high detergency alkaline cleaner for aluminium and its alloys, and for mild cleaning of ferrous and non-ferrous metals.  |                |
| <b>Features</b>         | <ul style="list-style-type: none"><li>• Quickly removes oil, grease, lubricants, polishing compounds etc.</li><li>• Does not etch, dull or smut high-silicon aluminium and its alloys.</li><li>• On extruded aluminium, it dissolves out magnesium oxide and prevents subsequent preferential caustic etching of aluminium alloys.</li><li>• Degreases mild steel, stainless steel and zinc. Prevents coarse phosphating.</li><li>• Keeps oils emulsified over long periods.</li><li>• Does not cause scale on tanks or heating surfaces.</li><li>• Contains no silicates and is free-rinsing.</li><li>• Its powder form makes it safer and easier to store and transport.</li></ul> |                |
| <b>Product Code</b>     | <b>MP0035.</b>   |                |
| <b>Coverage</b>         | The rate of consumption will depend on the oiliness and draining efficiency of the jiggled items. As a guide the following range has proved reliable:<br>150 – 180 m <sup>2</sup> /kilo of T Cleaner 70.   |                |
| <b>Equipment</b>        | The T Cleaner 70 tank and water rinse tanks should ideally be made of stainless steel, or lined with polypropylene or rigid PVC.   |                |
| <b>Initial Fill</b>     | For every 1000 litres of bath:<br><ol style="list-style-type: none"><li>1. Add approximately 900 litres of mains water and heat to 60° - 70°C.</li><li>2. Add 25 kilos T Cleaner 70 and stir until dissolved.</li><li>3. Fill the bath to the operating level with mains water, stir, and bring to operating temperature.</li></ol>  |                |
| <b>Application</b>      | The process sequence is:<br><ol style="list-style-type: none"><li>1. T Cleaner 70 dip.</li><li>2. Cold water rinse.</li><li>3. Hot water rinse and dry-off or proceed to subsequent chemical treatment (see <b>Rinsing</b> below).</li></ol>   |                |
| <b>Control Points</b>   | Pointage   | 11.5 - 12.5 ml |
|                         | Bath Temperature   | 60° - 70°C     |
|                         | Immersion Time   | 3 - 15 min     |
| <b>Analytic Control</b> | The bath is controlled by Titration, which should be done routinely according to usage and after the bath has been brought to its normal level with water.<br><b>Pointage Titration:</b><br>Measure 10 ml of the bath into a flask and add approximately 100 ml of water and 6 – 8 drops of Methyl Orange Indicator. Titrate with 0.1 M hydrochloric acid until the colour changes from yellow to red.<br><b>Replenishment:</b> Add 1.7 kg of T Cleaner 70 per 1000 litres of bath to raise the Titration by 1 ml.<br>A Test Kit ( <b>MP0601</b> ) containing all the necessary items and replacement chemicals is available from Trimite.   |                |

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| <b>Rinsing</b>             | Rinse the work thoroughly in water in a tank fitted with a weir and continuously overflowed with mains water. A second mains water rinse may be desirable before further chemical processing and the overflow from this can be used to overflow the first rinse if desired.    |
| <b>Drying</b>              | Where the work is to be dried after cleaning, the second rinse can be warmed to assist drying off. Where polished aluminium is concerned, deionised water may be necessary to avoid water stains. Any warmed rinse is not normally overflowed but should be changed regularly. |
| <b>Shelf Life</b>          | 2 years from date of manufacture when correctly stored in unopened containers.   |
| <b>Storage</b>             | The product should be stored in cool, dry, frost-free conditions, in sealed containers.  |
| <b>Health &amp; Safety</b> | Refer to the product's Safety Data Sheet and safety advice on the product label before use.  |
| <b>Technical Support</b>   | For technical support in using this product, please contact:<br>e: <a href="mailto:belfast.sales@trimite.com">belfast.sales@trimite.com</a> , or<br>t: +44 (0)28 9066 3361.  |
| <b>Date of Issue</b>       | Apr 2024.  |

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