



## TECHNICAL DATA

### TECHSOL UC-101

#### CHRYSQL TECHSOL UC-101

##### Description

CHRYSQL TECHSOL UC-101 is a unique Neutral Ultrasonic Cleaner. It is non-caustic, biodegradable detergent-based cleaner built with anticorrosive additives.

##### Application

CHRYSQL TECHSOL UC-101 is ideally suitable for cleaning of non-ferrous metals, which are highly sensitive to caustic based cleaners. CHRYSQL TECHSOL UC-101 is recommended for cleaning high silicon alloy based, aluminium die casts, and buffed brass and bronze and stainless- steel components. It is recommended for cleaning of buffing compounds, rust preventive oils, lapping of pastes etc. The CHRYSQL TECHSOL UC-101 is non-staining, if the rinse after cleaning is based on D.M. water. CHRYSQL TECHSOL UC-101 does not attack the base metal and hence helps in retaining the original polished surface after cleaning the buffing compound.

##### Usage Recommendations

CHRYSQL TECHSOL UC-101 is recommended at the rate of 5 – 10% concentration for most of the cleaning operations.

Where severe dried up buffed compounds are to be cleaned, concentration can be increased up to 15%.

##### Operating conditions

Dip time: 3 – 10 minutes\* (Depending on the contamination)

Temperature 55 – 75 °C \*Wherever very heavy contamination is encountered CHRYSQL TECHSOL UC-101 can be used at 75-80 deg. C as a pre-soak cleaner at 5-6% concentration and can be followed with ultrasonic cleaning system.

##### Replenishment

Once the oil content is more than 2% it must be discarded. The floating oil can be determined by allowing the solution to remain in a 100 ml cylinder overnight and the volume can be measured and the emulsified oil can be determined by taking 10 ml of solution make up to 100 ml and add 1: 1 hcl and keep at 60 Deg. C in a water bath and measure the oil that split and float. The dissolved /or emulsified oil should not be more than 2% and floating oil has to be skimmed periodically. Since the product is neutral it is always advisable to throw the contaminated solution, rather than to top it up. If at all top up is to be followed prepare the same, initial concentration started with, and top up with that solution.

**Disclaimer:** The Technical Data Sheet was last updated June 2021. The information contained in the data sheet reflects the state of engineering know-how and the results extensive tests and practical application studies. However, on the account of diversity of possible applications and technical conditions, this information can be regarded as indicative for suitable applications and is not necessarily transferable to specific instances. Accordingly, we recommend in every case, that trials to be conducted on specific applications before any general product use. No direct or indirect liabilities are accepted unless specified Revision: 1

VRP/06/2009

**Chrysol Petrochem India Private Ltd**, Sy No 14, 148/B , Pragati Nagar , Bachupalli

Village, Qutubullapur Mandal RR Dist Telangana-500090, Customer Care No:-8810530120