

# TULSION<sup>®</sup> CH-97

## Selective Ion Exchange Resin for Removal of Mercury

**TULSION<sup>®</sup> CH-97** is an extremely durable macroporous resin containing methylene thiol attached to polystyrene copolymer matrix.

**TULSION<sup>®</sup> CH-97** is used for selective removal of mercury by formation of stable mercaptide salts. This resin is stable in a wide pH range from 0 to 14 and the ionic form of mercury has very little effect on the absorption capacity of the resin. This resin has a high capacity for mercury of about 150 mg/l.

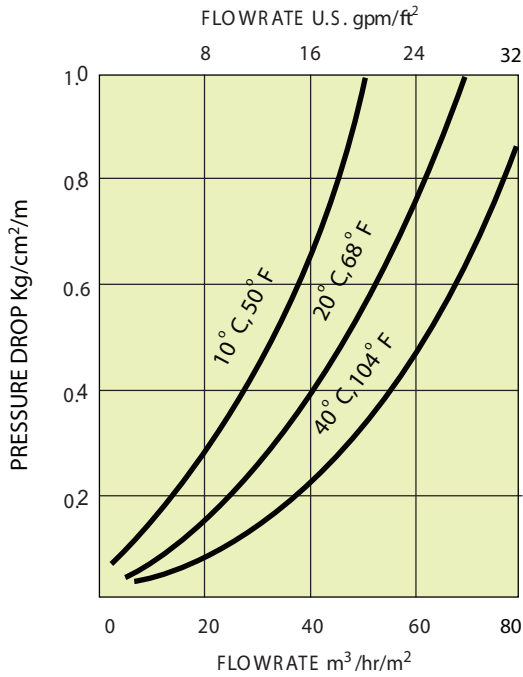
**TULSION<sup>®</sup> CH-97** is easily regenerable by concentrated hydrochloric acid.

### TYPICAL CHARACTERISTICS – Tulsion<sup>®</sup> CH- 97

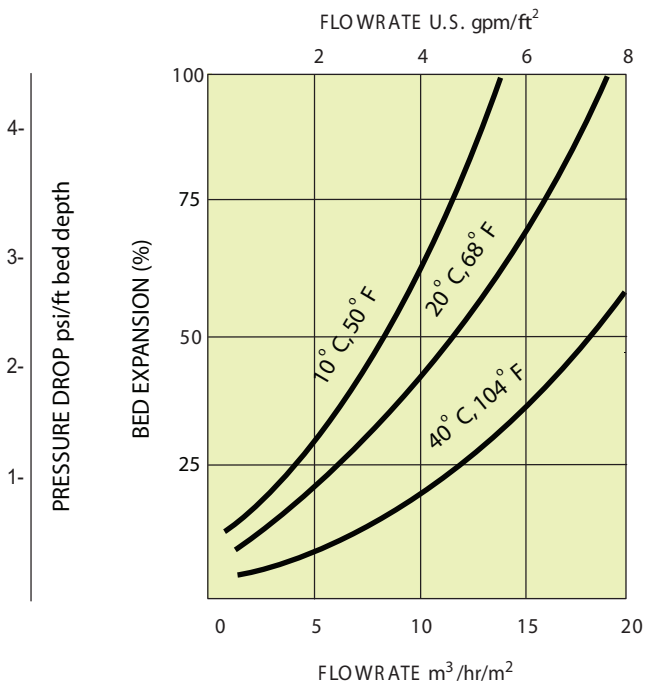
Matrix structure	:	Macro-porous cross-linked polystyrene
Functional group	:	Methylenethiol
Ionic form as shipped	:	Chloride
Physical form	:	Moist spherical beads
Screen size U.S.S (wet)	:	16 to 50
Particle size	:	0.3 to 1.2 mm
Total exchange capacity	:	150 mgHg/lit
Moisture content	:	40 ± 3%
Backwash settled density	:	670 to 720 g/ltr
Thermal stability °F/ °C	:	140/60
Suitable pH range	:	0 to 14
Solubility	:	Insoluble in all common solvents



## HYDRAULIC CHARACTERISTICS



PRESSURE DROP vs FLOWRATE



BACKWASH EXPANSION  
(Exhausted Forms)

## TESTING

The sampling and testing of ion exchange resins is done as per standard testing procedures, namely ASTM-D-2187 and IS-7330, 1998.

## PACKING

Super sacks	1000 liters
MS drums	180 liters
HDPE lined bags	25 liters

Super sacks	35 cft
Fiber drums	7 cft
HDPE lined bags	1 cft

For Handling, Safety and Storage requirements please refer to the individual Material Safety Data Sheets available at our offices. The data included herein are based on test information obtained by Thermax Limited. These data are believed to be reliable, but do not imply any warranty or performance guarantee. Tolerances for characteristics are as per BIS/ASTM. We recommend that the user should determine the performance of the product by testing on own processing equipment.

For further information, please contact:



**THERMAX**

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In view of our constant endeavour to improve the quality of our products, we reserve the right to change their specifications without prior notice.

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