

TECHNICAL DATA

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THIS CHEMICAL IS
FORMULATED FOR

WARNING INDUSTRIAL USE ONLY

Contact with skin or clothing or other improper handling or use of this product may result in bodily harm or other damage. Before using or mixing the contents with other substances, all labels applied to container, the applicable Technical Data Sheet and Material Safety Data Sheet should be read and specific instructions and precautions followed to assure correct use and personal safety.

AUSEAL MTS

MEDIUM TEMPERATURE SEAL FOR ANODISED ALUMINIUM

INTRODUCTION

Auseal MTS is a nickel based sealing process which allows sealing of the anodic film on aluminium and its alloys to be carried out at temperatures of 80°C or more.

The quality of the seal produced passes the recognized weight loss test ISO 3210, admittance ISO 2931 & dye spot ISO 2143.

OPERATION

Concentration:	Make up to between 26 – 30 g/L.
Temperature:	80°C (plus)
pH:	5.0 – 6.0
Dipping Times:	1-2 min/micron @ 80°C (For higher temperatures less dipping times are possible.)

PREPARATION

- Fill tank using deionised water.
- Add the correct amount of Auseal MTS
- Agitate to ensure thorough mixing.
- Check pH and adjust if necessary using acetic acid to decrease pH or diluted ammonia to increase.

The AUSEAL MTS solution is a non-dump solution provided an efficient filtration system is installed. A filter size of 5 microns is suggested.

EQUIPMENT

Tanks and fittings to be made from 316 stainless steel.

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COMMENTS

Avoidance of drag-in from 'dirty' rinses will reduce any possibility of bloom and or sealing problems. Therefore, rinsing in clean water before sealing in Auseal MTS will prolong the life and reduce the filtering required in the tank. Rinsing in clean water after sealing is also recommended.

CONTROL ANALYSIS

Reagents Required

E.D.T.A. 0.01M

BUFFER SOLUTION: 54g ammonium chloride in 350ml concentrated ammonia solution.

INDICATOR: 99g of Sodium chloride NaCl + 1g of pure Murexide.

METHOD

10ml of bath solution into a 250ml erlenmeyer flask

50ml D.I. water

5ml Buffer Solution

A small amount of indicator (approx. 0.5g)

Titrate with 0.01M E.D.T.A. solution until the colour turns a faint violet.

Record titre as A.

CALCULATION

$A \times 1.5 = \text{g/L Auseal MTS. (titre limits 16-20)}$

SAFETY AND HANDLING

Protective rubber gloves and eye protection should be worn when handling this product.

Thoroughly wash off any splashes to the skin with cold water.

Refer to Material Safety Data Sheet (MSDS) for further information.

PACKAGING

25, 200 or 1000 Litre containers.