



# Product Specification

## Product Name: METHYL ORANGE Sodium salt LR

Alternate Name(s) 4-[[[(4-Dimethyl-amino)phenyl]azo]benzenesulfonic acid sodium salt;  
Description sodium p-dimethylaminoazobenzenesulfonate; acid orange 52.  
Orange-yellow powder. pH indicator

### Properties

Chemical Formula:  $C_{14}H_{14}N_3NaO_3S$   
Molecular Weight: 327.34

Product Code: ML052  
CAS No. 547-58-0

### General Information:

Soluble in hot water. Practically insoluble in alcohol. Combustible.

### Hazard and Safety Data

UN Group: III  
Class: 6.1  
UN Number: 2811  
Hazchem code: 2X  
CS MSDS Code: 1CH4I  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: 36

### Quality Specification

Assay:

### Specific Properties and Impurities [Typical levels]:

Visual Transition Interval  
From pH 3.2 Pink or red  
To pH 4.4 Yellow  
Loss on drying at 110 Deg. C/1hr  $\leq 3\%$

### Use:

As indicator in 0.1% aq. soln. Employed for titrating most mineral acids, strong bases, estimating alkalinity of waters; useless for organic acids. In dyeing and printing of textiles.

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia  
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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