



# Product Specification

## Product Name: TOLUENE AR

Alternate Name(s) Toluol, Methylbenzene, phenylmethane

### Description

Colourless liquid, with a characteristic benzene-like odour.

### Properties

Chemical Formula: C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub>

Molecular Weight: 92.14

Product Code: TA014

CAS No.: 108-88-3

### General Information:

Toluene is soluble in alcohol, benzene, ether, but insoluble in water. Flammable, dangerous fire risk.

### Hazard and Safety Data

UN Group: II  
Class: 3  
UN Number: 1294  
Hazchem code: 3YE  
CS MSDS Code: 1CH75  
Poison schedule: S6  
Emergency Procedure Guide No.: 16

### Quality Specification

Assay: 99.5% min.

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

Identity (IR)	Passes test
Appearance	Clear
Colour (APHA)	10
Acidity	0.0005 meq/g
Alkalinity	0.0004 meq/g
Chlorides (Cl)	0.0001%
Sulfates (SO <sub>4</sub> )	0.0001%
Sulfur compounds (S)	0.003%
Benzene	0.01%
Thiophene	0.0001%
Subs darkened by H <sub>2</sub> SO <sub>4</sub>	Passes test
Water (H <sub>2</sub> O)	0.03%
Residue after evaporation	0.001%
Aluminium (Al)	0.00002%
Antimony (Sb)	0.000002%
Arsenic (As)	0.000002%
Barium (Ba)	0.000005%
Beryllium (Be)	0.000002%
Bismuth (Bi)	0.00001%
Boron (B)	0.000002%
Cadmium (Cd)	0.000005%
Calcium (Ca)	0.00002%
Chromium (Cr)	0.000002%
Cobalt (Co)	0.000002%
Copper (Cu)	0.000002%
Gallium (Ga)	0.000002%

---

Chem-Supply Pty Ltd - An ISO 9001 Accredited Company

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

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

Gold (Au)	0.000005%
Indium (In)	0.000002%
Iron (Fe)	0.000005%
Lead (Pb)	0.000005%
Lithium (Li)	0.000002%
Magnesium (Mg)	0.000005%
Manganese (Mn)	0.000002%
Molybdenum (Mo)	0.000005%
Nickel (Ni)	0.000002%
Platinum (Pt)	0.000002%
Silver (Ag)	0.000002%
Thallium (Tl)	0.000005%
Tin (Sn)	0.00001%
Titanium (Ti)	0.000005%
Vanadium (V)	0.000005%
Zinc (Zn)	0.000005%
Zirconium (Zr)	0.000002%

CONFORMS TO ACS

---

**Chem-Supply Pty Ltd - An ISO 9001 Accredited Company**

**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**

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.