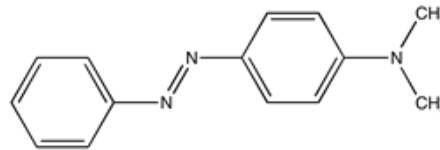


**4-(Dimethylamino)-azobenzene, for analysis, ExpertQ®**
**Identification**

$C_{14}H_{15}N_3$   
 M = 225,30 g/mol  
 CAS [60-11-7]  
 EC number: 200-455-7  
 Taric code: 2927 00 00


**Synonyms**

Methyl yellow, Dimethyl yellow, Solvent yellow 2

**Applications**

indicator, analytical chemistry.

**Specifications**

identity (IR-spectrum).....	passes test	Absorption max $\lambda_3$ (ethanol) .....	403 - 407 nm
pH range (red to yellow).....	3,0 - 4,0	Absorptivity (A1%/1 cm; $\lambda_3$ , 0,0005%;	
Absorption max $\lambda_1$ (buffer pH 3,0) .....	508 - 511 nm	ethanol, on dried sample).....	1100 - 1300
Absorption max $\lambda_2$ (buffer pH 4,0) .....	455 - 460 nm	loss on drying (105 °C).....	max. 5 %

**Physical data**

- Bulk density: ~ 190 kg/m<sup>3</sup>
- Solub. in water: (20 °C): almost insoluble
- Melting point: 113 - 117 °C
- pH(10 g/l H<sub>2</sub>O, 20 °C) ~ 5 - 7

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H301: Toxic if swallowed.  
 H351: Suspected of causing cancer.  
 H317: May cause an allergic skin reaction.


**Precautionary Statements:**

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
 P280: Wear protective gloves / protective clothing / eye protection / face protection.  
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P321: Specific treatment (see on this label).  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 6.1 T2 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S.(4-(Dimethylamino)-azobenzene)
- IMDG: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (4-(Dimethylamino)-azobenzene)
- IATA/ICAO: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (4-(Dimethylamino)-azobenzene)
- PAX: 619
- CAO: 619
- 10°C - 30°C