

# Information Data Sheet

**Detector Tube Tol-5**  
**Part No. (US): 803947**  
**Part No. D5085828**

## 1. Application

Detection of toluene (methyl benzene, C<sub>6</sub>H<sub>6</sub>CH<sub>3</sub>).

## 2. Detector Tube Sampling Pump

UNIPHOS KWIK DRAW (formerly MSA AUER) Gas-Tester<sup>®</sup> IIH, Gas-Tester<sup>®</sup> I / ThumbPump<sup>™</sup>-Sampler, Toximeter<sup>®</sup> II, Uniphos Kwik-Draw<sup>™</sup>-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

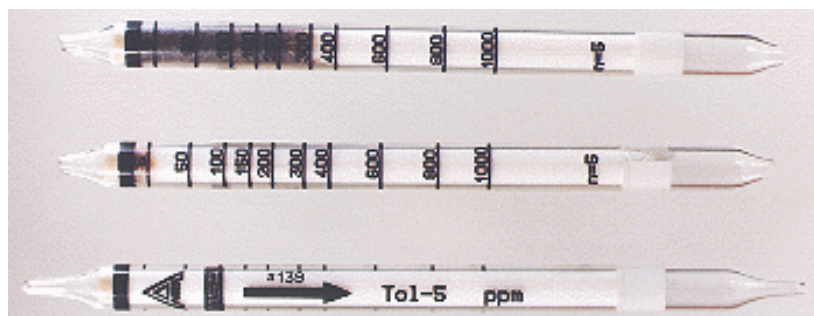
## 3. Measuring Range

5 ppm ... 1000 ppm toluene at n=5 (5 pump strokes).

## 4. Chemical Reaction and Color Change

Oxidation of aromatic hydrocarbons by a iodate/ sulfuric acid reagent.

Color change: white → brown



## 5. Ambient Conditions During Sampling

Detector tubes can be used between 0 °C and 40 °C (32 °F and 104 °F) and up to 90 % rh (46 g/m<sup>3</sup> at 40 °C [104 °F]).

## 6. Interferences and Cross Sensitivities

- No interference from:
  - hydrogen, methane, ethane, propane, butanes, carbon dioxide, carbon monoxide.
- Benzene will be indicated. The sensitivity of indication is higher than for toluene.
- higher saturated hydrocarbons (e. g. hexanes, octanes), olefinic hydrocarbons (e. g. ethylene), hydrogen sulfide, carbon disulfide will be indicated by a slight brown or pink discoloration. The toluene indication is distinctly readable against that background.

*Manufactured By:*  
**Uniphos Envirotronic Pvt. Ltd**  
P.O. Nahuli - 396 108  
Tal. Umbergaon,  
Dist: Valsad, Gujarat, India  
Tel. : +91(260) 2730156 / 57 / 58  
Fax : +91(260) 2730160  
[gasdetection@uniphos.com](mailto:gasdetection@uniphos.com)

*Marketing Office:*  
**Uniphos Envirotronic Pvt. Ltd**  
Readymoney Terrace, 167,  
Dr. Annie Besant Road, Worli,  
Mumbai 400 018, India.  
Tel. : +91(22) 6123 3500  
Fax : +91(22) 2493 8826/+91 (22) 2497 8119  
[www.kwikdrawtubes.com](http://www.kwikdrawtubes.com)