

### Description

The 9690 *Xylene* is a medium evaporation solvent with high solvent strength that is widely used in the paint and chemical industry. Xylene is commonly used solvent for chemical synthesis of various organic compounds.

### Features and Benefits

- **Medium evaporation rate**
- **Highly miscible with other common organic solvents**

**ATTENTION!**  
**INDUSTRIAL OR LABORATORY USE ONLY**  
NOT FOR RETAIL SALE

### Principal Components

<b>Name</b>	<b>CAS Number</b>
xylene (isomers)	1330-20-7
ethylbenzene	100-41-4

### Usage Parameters

<b>Properties</b>	<b>Value</b>
Shelf Life	5 y

### Temperature Ranges

<b>Properties</b>	<b>Value</b>
Storage Temperature Limits <sup>a)</sup>	-20 to 40 °C [-4 to 104 °F]

a) Storage below zero is not necessary. Cool, dry, and well ventilated area recommended.

### Properties

<i>Physical Property</i>	<i>Method</i>	<i>Value</i>
Color Odor Density @25 °C [77 °F] Viscosity @25 °C [77 °F] Flash Point Freezing Point Boiling Point Vapor Pressure @25 °C [77 °F] Relative Evaporation Rate Volatile Organic Compound (VOC) MIR value	Tag Closed Cup	Clear, slight yellow Aromatic 0.87 g/mL <20.5 mm <sup>2</sup> /s 25 °C [77 °F] -47 °C [-54 °F] 137 °C [279 °F] 1 kPa [7.5 mmHg] 0.86 (ButAc=1) 100% [870 g/mL] 7.37
<i>Solvation Parameters</i>		<i>Value</i>
Solubility in water Hansen Solubility Parameters <sup>a)</sup> (cal/cm <sup>3</sup> ) <sup>1/2</sup> ; [MPa] <sup>1/2</sup>	Total <i>Non-Polar</i> <i>Polar</i> <i>Hydrogen Bonding</i>	Negligible (0.00003 g/100 g) 8.7 [17.8] 8.6 [17.6] 0.5 [1.0] 1.5 [3.1]

a) Hansen parameters calculate using component literature values and volume fraction composition.

### Compatibility

**Substrate Compatibility:** The 9690 is compatible with most substrate materials found on printed circuit assemblies.

**Solvent Miscibility:** The 9690 is highly miscible with other common organic solvent. It can be mixed with

- Alcohols
- Aldehydes
- Aromatic and Aliphatic Hydrocarbons
- Ethers
- Glycols
- Glycol Ethers
- Ketones

## Health, Safety, and Environmental Awareness

Please see the 9690 **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

### Health and Safety:



**WARNING**

#### CALIFORNIA PROPOSITION 65

This product can expose you to chemicals including ethylbenzene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

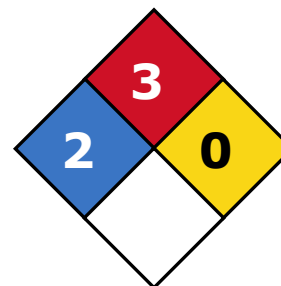
This liquid is flammable and should be kept away from flames and other ignition sources. It can cause drowsiness and dizziness, and may cause central nervous system damage for prolonged and repeated high exposure. Avoid exposure during pregnancy because it is suspected of being reproductively toxic.

Use only outdoors or in well ventilated area. In cases of inadequate ventilation wear respiratory protection. Avoid breathing in fumes or direct contact with the material.

### HMIS® RATING

<b>HEALTH:</b>	<b>* 2</b>
<b>FLAMMABILITY:</b>	<b>3</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

### NFPA® 704 CODES



*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

**Environmental Impact:** The 9690 has VOC (volatile organic compound) content of 100% [or 870 g/L]. The mixture components are classified as a hazardous air pollutant. It is RoHS compliant.

## Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Packaging Weight</i>	
<b>9690-945L</b>	Can	945 mL	31.9 fl oz	823 kg	1.8 lb	TBD	TBD
<b>9690-3.78L</b>	Can	3.78 L	1 gal	3.29 kg	7.25 lb	"	"

*Contact MG Chemicals if custom packaging or sizes are required*



ISO 9001 Registered Quality System.  
Burlington, Ontario, Canada QMI File # 004008

# Xylene 9690 Technical Data Sheet

9690-Liquid

## Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

Phone: +(1) 800-340-0772 (Canada, Mexico & USA)

+ (1) 905-331-1396 (International)

Fax: +(1) 905-331-2862 or +(1) 800-340-0773

Mailing address: **Manufacturing & Support**  
1210 Corporate Drive  
Burlington, Ontario, Canada  
L7L 5R6

**Head Office**  
9347-193rd Street  
Surrey, British Columbia, Canada  
V4N 4E7

## Warranty

*M.G. Chemicals Ltd.* warrants this product for 12 months from the date of purchase by the end user. *M.G. Chemicals Ltd.* makes no claims as to shelf life of this product for the warranty. The liability of *M.G. Chemicals Ltd.* whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

## Disclaimer

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. *M.G. Chemicals Ltd.* does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.