

## Product Information

### Chemical Standards: TCLP Mixes

These chemical standards were developed in response to customer requests for suitable working solutions for US Environmental Protection Agency Solid Waste Method 1311, *Toxicity Characteristic Leaching Procedure*.

Raw materials used to manufacture these standards are 98% pure, or better, as determined by GC/MS and melting point determinations. Toxaphene and chlordane neat materials are subjected to infrared spectral analysis. TCLP mixes are clear solutions, except for the phenols mix which is pale yellow. Formulations are 1 mL in volume in amber snap-top ampuls to retard deterioration.

Each TCLP standard is supplied with a certificate of analysis denoting the qualitative and quantitative characteristics of the product. Material safety data sheets are provided automatically with the first purchase of one of these products, and also are available on request.

Labeling on these Supelco analytical standards complies with requirements for domestic and international distribution. Packaging complies with OSHA\*, WHMIS, and DOT requirements and meets all domestic and international requirements for transport, including 49 CFR, UPS Restrictive Guide, IATA, IMO and ICAO.

#### Ordering Information:

TCLP standards are available from inventory for immediate delivery. Order by referring to their catalog numbers.

#### TCLP Mixes

Acids Mix	Base/Neutrals Mix-A	Herbicides Mix	Pesticides Mix	Volatiles Mix
1000 µg/mL in methanol <b>48142</b>	1000 µg/mL in acetone <b>48947</b>	1000 µg/mL in acetonitrile <b>48141</b>	1000 µg/mL in methanol <b>48139</b>	1000 µg/mL in methanol <b>48143</b>
<i>m</i> -Cresol <i>o</i> -Cresol <i>p</i> -Cresol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol Pentachlorophenol	2,4-Dinitrotoluene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene Pyridine	2,4-D (methyl ester) Silvex® (methyl ester)	γ-BHC Endrin Heptachlor Heptachlor epoxide Methoxychlor	Benzene Carbon tetrachloride Chlorobenzene Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene Methyl ethyl ketone (5000 µg/mL) Tetrachloroethylene Trichloroethylene Vinyl chloride
	<b>Base/Neutrals Mix-B</b> 1000 µg/mL in acetone <b>47989-U</b>			
	1,4-Dichlorobenzene 2,4-Dinitrotoluene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene Pyridine			

#### Individual Analytes in Solution

Toxaphene 5000 µg/mL in methanol <b>40111</b>	Chlordane 5000 µg/mL in methanol <b>40089</b>	2,4,5-TP 100 µg/mL in methanol <b>47897</b>	2,4-D 100 µg/mL in methanol <b>47896</b>
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#### \*Acronyms

CFR — Code of Federal Regulations  
 DOT — Department of Transportation  
 IATA — International Air Transport Association  
 ICAO — International Civil Aviation Organization  
 IMO — International Maritime Organization  
 OSHA — Occupational Safety and Health Administration  
 UPS — United Parcel Service  
 WHMIS — Workplace Hazardous Materials Information System

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