

## TECHNICAL INSERT

Item No	595	ChemDisk™ Monitor for	Prepared by	SCW
Edition	4/8/2011	Ethyl-2-Cyanoacrylate	Approved by	SLG

The ChemDisk™ Personal Monitor is designed to measure exposure to chemicals in order to demonstrate workplace compliance with Permissible Exposure Limits (PELs) and Short Term Exposure Limits (STELs) defined by the Occupational Safety and Health Act of 1970 and Title 29 Code of Federal Regulations.

This **Technical Insert** contains product specific information on use and storage.

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<b>Sampling Medium:</b>	Tenax TA impregnated with Phosphoric Acid
<b>Analyte Sampled:</b>	Ethyl 2-Cyanoacrylate
<b>Analytical Method:</b>	Modified OSHA 55. Ethyl 2-Cyanoacrylate is collected on Tenax TA and stabilized with Phosphoric Acid; analysis by high performance liquid chromatography (HPLC) with UV detection.
<b>Recommended Sampling Time:</b>	PEL = 8 hrs or full shift Functional Range: 15 minutes – 8 hours
<b>Recommended Holding Time:</b>	Monitors must be shipped <b>cold</b> and received by Lab <b>within three (3) days after sampling.</b>
<b>Sample Capacity:</b>	2.5 ppm for 8 hour sample (20 ppm – hrs)
<b>Reporting Limit (RL):</b>	0.01 ppm for 8 hour sample
<b>Sampling Rate (SR):</b>	12.5 mL/min
<b>Interfering Substance(s):</b>	Basic compounds, alcohols, and free radical initiators are all capable of reacting with the alkyl 2-cyanoacrylates.
<b>Effect of Temperature:</b>	Effect on result $\leq$ 5% within 0 – 50 °C (32 – 122 °F)
<b>Effect of Humidity:</b>	Functions as claimed within 10 - 80% RH
<b>Accuracy (MTE):</b>	Meets or exceeds OSHA requirements for accuracy: Maximum Total Error (MTE) $\leq$ 25% at PEL
<b>Storage Conditions:</b>	Store under controlled room temperature. Do Not Use after Expiration Date printed on pouch.
<b>IMPORTANT:</b>	Warranty valid only if Instructions for Use have been followed.
<b>WARNING:</b>	Wash affected area thoroughly if Sampling Medium is contacted.

For detailed directions, see **Instructions for Use** included in each package of Monitors.

For detailed information about the ChemDisk™ Personal Monitor, refer to [www.assaytech.us](http://www.assaytech.us) or

call **TOLL FREE NUMBER 1-800-833-1258**