

Chemical Information:

Name: Phosphorodichloridic acid, ethyl ester
CAS No.: 1498-51-7 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201328 Lot No.: 15223ED
NTP_CID No.: 1195 MW: 162.94 g/mol

Date of Analysis: 14 September 2010

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	5.46	1.39
Phosphorodichloridic acid, ethyl ester	6.68	96.86
Unknown	8.99	1.75

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	230°C
Auxiliary Temperature	200°C
Scan Range	15 – 500 amu
Injector Temperature	150°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008

