

Chemical Information:

Name: Chlorotrimethylsilane
CAS No.: 75-77-4
Tox21_ID No.: Tox21_200221
NTP_CID No.: 624

Supplier: Sigma-Aldrich
Lot No.: 454236/1
MW: 108.64 g/mol

Date of Analysis: 22 February 2010

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Chlorotrimethylsilane	2.56	90.35
Hexamethyl disiloxane	4.73	6.96
Unknown	16.09	0.69

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	-10°C, hold 4 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	200°C
Auxiliary Temperature	200°C
Scan Range	25 – 500 amu
Injector Temperature	200°C
Injection Volume / Mode	1 μ L / Split (420:1)
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008

