

**Chemical Information:**

Name: 2-Butenoic acid

Date of Analysis: 14 June 2016

CAS No.: 3724-65-0

Supplier: Pfaltz &amp; Bauer

Tox21\_ID No.: Tox21\_201730

Lot No.: 107012-1

NTP\_CID No.: 3056

MW: 86.09 g/mol

**Purity and Identity Results:**

Peak Identity	Retention Time (min)	Purity (% Total Area)
2-Butenoic acid	9.72	Not determined <sup>a</sup>

<sup>a</sup> Component observed and identified; however, response was insufficient to determine impurities.

**GC/MS Instrument Parameters:**

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1-μm film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014

