

Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia  
1800 802 402

## 3mm sample kit - sw/bb

### 1 . Identification of the material and supplier

#### Names

<b>Product name</b>	: 3mm sample kit - sw/bb	
<b>Part No. (Chemical Kit)</b>	: 190350508	
<b>Part No.</b>	: 4Hz 1% H2O/D2O	190350601
	1H S/N	190350670
	19F S/N	190350682
	15N S/N	190350683
	31P S/N	190350687
	1H Lineshape	190350689
	13C S/N ASTM doped	190350691
	13C S/N ASTM	190350669

**ADG** : Not regulated as Dangerous Goods according to the ADG Code

#### Supplier

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia  
1800 802 402

**Emergency telephone number** : CHEMTREC®: +(44)-870-8200418

#### Uses

<b>Area of application</b>	: 4Hz 1% H2O/D2O	Industrial applications, Professional applications.
	1H S/N	Industrial applications, Professional applications.
	19F S/N	Industrial applications, Professional applications.
	15N S/N	Industrial applications, Professional applications.
	31P S/N	Industrial applications, Professional applications.
	1H Lineshape	Industrial applications, Professional applications.
	13C S/N ASTM doped	Industrial applications, Professional applications.
	13C S/N ASTM	Industrial applications, Professional applications.

<b>Material uses</b>	: Analytical chemistry.	
	4Hz 1% H2O/D2O	250 µl
	1H S/N	250 µl
	19F S/N	250 µl
	15N S/N	250 µl
	31P S/N	250 µl
	1H Lineshape	250 µl
	13C S/N ASTM doped	250 µl
	13C S/N ASTM	250 µl

## 2 . Hazards identification

Classification :  
 Risk phrases :  
 Safety phrases :  
 Statement of hazardous/  
 dangerous nature :

## 3 . Composition/information on ingredients

### Ingredient name

No hazardous ingredient

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4 . First-aid measures

## 5 . Fire-fighting measures

## 6 . Accidental release measures

## 7 . Handling and storage

## 8 . Exposure controls/personal protection

Occupational exposure limits : No exposure standard allocated.

## 9 . Physical and chemical properties

<b>Physical state</b>	:	4Hz 1% H2O/D2O	Liquid.
		1H S/N	Liquid.
		19F S/N	Liquid.
		15N S/N	Liquid.
		31P S/N	Liquid.
		1H Lineshape	Liquid.
		13C S/N ASTM doped	Liquid.
		13C S/N ASTM	Liquid.
<b>Colour</b>	:	4Hz 1% H2O/D2O	Not available.
		1H S/N	Not available.
		19F S/N	Not available.
		15N S/N	Not available.
		31P S/N	Not available.
		1H Lineshape	Not available.
		13C S/N ASTM doped	Not available.
		13C S/N ASTM	Colourless.
<b>Odour</b>	:	4Hz 1% H2O/D2O	Not available.
		1H S/N	Not available.
		19F S/N	Not available.
		15N S/N	Not available.
		31P S/N	Not available.
		1H Lineshape	Not available.
		13C S/N ASTM doped	Not available.
		13C S/N ASTM	Not available.
<b>Odour threshold</b>	:	4Hz 1% H2O/D2O	Not available.
		1H S/N	Not available.
		19F S/N	Not available.
		15N S/N	Not available.
		31P S/N	Not available.
		1H Lineshape	Not available.
		13C S/N ASTM doped	Not available.
		13C S/N ASTM	Not available.

## 9 . Physical and chemical properties

<b>Boiling point</b>	: 4Hz 1% H2O/D2O	101.4°C (214.5°F)
	1H S/N	60.9°C (141.6°F)
	19F S/N	80°C (176°F)
	15N S/N	Not available.
	31P S/N	62°C (143.6°F)
	1H Lineshape	55.5°C (131.9°F)
	13C S/N ASTM doped	90°C (194°F)
	13C S/N ASTM	79.1°C (174.4°F)
<b>Melting point</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	-64°C (-83.2°F)
	19F S/N	5°C (41°F)
	15N S/N	Not available.
	31P S/N	-64°C (-83.2°F)
	1H Lineshape	-95°C (-139°F)
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	6.8°C (44.2°F)
<b>Vapour pressure</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	22.1 kPa (166 mm Hg) [room temperature]
<b>Relative density</b>	: 4Hz 1% H2O/D2O	1.107
	1H S/N	1.5
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	0.872
	13C S/N ASTM doped	0.98
	13C S/N ASTM	0.95
<b>Flash point</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Closed cup: -11.11°C (12°F)
	15N S/N	Closed cup: 87.8°C (190°F)
	31P S/N	Not available.
	1H Lineshape	Closed cup: -17°C (1.4°F)
	13C S/N ASTM doped	Closed cup: 21.1°C (70°F)
	13C S/N ASTM	Closed cup: -18 to 23°C (-0.4 to 73.4°F)
<b>Flammable limits</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	Lower: 1.3% Upper: 8%
<b>Vapour density</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	2.77 [Air = 1]

## 9 . Physical and chemical properties

<b>pH</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	Not available.
<b>Viscosity</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	Not available.
<b>Auto-ignition temperature</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	Not available.
<b>Evaporation rate</b>	: 4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	Not available.
<b>Solubility</b>	: 4Hz 1% H2O/D2O	Easily soluble in the following materials: cold water and hot water.
	1H S/N	Very slightly soluble in the following materials: cold water and hot water.
	19F S/N	Insoluble in the following materials: cold water and hot water.
	15N S/N	Soluble in the following materials: cold water and hot water.
	31P S/N	Very slightly soluble in the following materials: cold water and hot water.
	1H Lineshape	Easily soluble in the following materials: cold water, hot water and acetone.
	13C S/N ASTM doped	Easily soluble in the following materials: cold water and hot water.
	13C S/N ASTM	Easily soluble in the following materials: cold water and hot water.

## 10 . Stability and reactivity

<b>Conditions to avoid</b>	:	
<b>Materials to avoid</b>	:	
<b>Hazardous decomposition products</b>	: 4Hz 1% H2O/D2O	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	1H S/N	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	19F S/N	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 10 . Stability and reactivity

15N S/N	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
31P S/N	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
1H Lineshape	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
13C S/N ASTM doped	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
13C S/N ASTM	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

### Potential acute health effects

#### Acute toxicity

**Conclusion/Summary** : Not available.

### Potential chronic health effects

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

### Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

### Over-exposure signs/symptoms

<b>Other adverse symptoms</b>	4Hz 1% H2O/D2O	Not available.
	1H S/N	Not available.
	19F S/N	Not available.
	15N S/N	Not available.
	31P S/N	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	13C S/N ASTM	Not available.

### Target organs

	4Hz 1% H2O/D2O	Not available.
	1H S/N	Contains material which may cause damage to the following organs: kidneys, the reproductive system, liver, heart, upper respiratory tract, skin, eyes, central nervous system (CNS).
	19F S/N	Contains material which may cause damage to the following organs: blood, upper respiratory tract, skin, eyes, bone marrow, central nervous system (CNS).
	15N S/N	Contains material which may cause damage to the following organs: kidneys, the reproductive system, liver, mucous membranes, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
	31P S/N	Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, the reproductive system, liver, heart, bladder, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
	1H Lineshape	Contains material which may cause damage to the following organs: blood, kidneys, the reproductive system, liver, heart, upper respiratory tract, skin, central nervous system

## 11 . Toxicological information

13C S/N ASTM doped

(CNS), eye, lens or cornea.  
Contains material which may cause damage to the following organs: blood, kidneys, liver, upper respiratory tract, skin, bone marrow, central nervous system (CNS), eye, lens or cornea.

13C S/N ASTM

Contains material which may cause damage to the following organs: blood, kidneys, liver, upper respiratory tract, skin, bone marrow, central nervous system (CNS), eye, lens or cornea.

## 12 . Ecological information

**Ecotoxicity** : This material is toxic to aquatic life with long lasting effects.

[Other ecological information](#)

## 13 . Disposal considerations

## 14 . Transport information

**Regulatory information**

**ADG / IMDG / IATA** : Not regulated as Dangerous Goods according to the ADG Code .

**Additional information** : **Remarks**  
De minimis quantities

## 15 . Regulatory information

[Standard Uniform Schedule of Medicine and Poisons](#)

[Control of Scheduled Carcinogenic Substances](#)

<a href="#">Ingredient name</a>	<a href="#">Schedule</a>
No listed substance	

## 16 . Other information

**Date of issue** : 10/07/2013

**Date of previous issue** : No previous validation.

✔ Indicates information that has changed from previously issued version.

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