

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

3mm sample kit - cold probe 13C - 190350511

1 . Identification of the material and supplier

Names

Product name	: 3mm sample kit - cold probe 13C - 190350511
Part No. (Chemical Kit)	: 190350511
Part No.	: 1H S/N 190350670 4Hz 0.1% H2O/D2O 190350609 Temp Grad 190350611 1H Lineshape 190350689 13C S/N ASTM doped 190350691 ID 1 190350696 ID 2 190350697 Sucrose, NMR tested 190350612
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
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Emergency telephone number : CHEMTREC®: +(44)-870-8200418

Uses

Area of application	: 1H S/N Industrial applications, Professional applications. 4Hz 0.1% H2O/D2O Industrial applications, Professional applications. Temp Grad Industrial applications, Professional applications. 1H Lineshape Industrial applications, Professional applications. 13C S/N ASTM doped Industrial applications, Professional applications. ID 1 Industrial applications, Professional applications. ID 2 Industrial applications, Professional applications. Sucrose, NMR tested Industrial applications, Professional applications.
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Material uses	: Analytical chemistry.
	1H S/N 250 µl 4Hz 0.1% H2O/D2O 250 µl Temp Grad 860 µl 1H Lineshape 250 µl 13C S/N ASTM doped 250 µl ID 1 250 µl ID 2 250 µl Sucrose, NMR tested 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

Physical state	:	1H S/N	Liquid.
		4Hz 0.1% H2O/D2O	Liquid.
		Temp Grad	Liquid.
		1H Lineshape	Liquid.
		13C S/N ASTM doped	Liquid.
		ID 1	Liquid.
		ID 2	Liquid. [Clear.]
		Sucrose, NMR tested	Liquid. [Clear.]
Colour	:	1H S/N	Not available.
		4Hz 0.1% H2O/D2O	Colourless.
		Temp Grad	Colourless.
		1H Lineshape	Not available.
		13C S/N ASTM doped	Not available.
		ID 1	Not available.
		ID 2	Colourless.
		Sucrose, NMR tested	Not available.
Odour	:	1H S/N	Not available.
		4Hz 0.1% H2O/D2O	Not available.
		Temp Grad	Not available.
		1H Lineshape	Not available.
		13C S/N ASTM doped	Not available.
		ID 1	Not available.
		ID 2	Ripe olive.
		Sucrose, NMR tested	Not available.
Odour threshold	:	1H S/N	Not available.
		4Hz 0.1% H2O/D2O	Not available.
		Temp Grad	Not available.
		1H Lineshape	Not available.
		13C S/N ASTM doped	Not available.
		ID 1	Not available.
		ID 2	Not available.
		Sucrose, NMR tested	Not available.

9 . Physical and chemical properties

Boiling point	: 1H S/N	60.9°C (141.6°F)
	4Hz 0.1% H2O/D2O	101.42°C (214.6°F)
	Temp Grad	101.42°C (214.6°F)
	1H Lineshape	55.5°C (131.9°F)
	13C S/N ASTM doped	90°C (194°F)
	ID 1	60.9°C (141.6°F)
	ID 2	189°C (372.2°F)
	Sucrose, NMR tested	100°C (212°F)
Melting point	: 1H S/N	-64°C (-83.2°F)
	4Hz 0.1% H2O/D2O	3.81°C (38.9°F)
	Temp Grad	3.81°C (38.9°F)
	1H Lineshape	-95°C (-139°F)
	13C S/N ASTM doped	Not available.
	ID 1	-64°C (-83.2°F)
	ID 2	18 to 18.54°C (64.4 to 65.4°F)
	Sucrose, NMR tested	0°C (32°F)
Vapour pressure	: 1H S/N	Not available.
	4Hz 0.1% H2O/D2O	Not available.
	Temp Grad	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	ID 1	Not available.
	ID 2	0.061 kPa (0.46 mm Hg) [room temperature]
	Sucrose, NMR tested	Not available.
Relative density	: 1H S/N	1.5
	4Hz 0.1% H2O/D2O	1.1
	Temp Grad	1.1
	1H Lineshape	0.872
	13C S/N ASTM doped	0.98
	ID 1	1500
	ID 2	1.18
	Sucrose, NMR tested	Not available.
Flash point	: 1H S/N	Not available.
	4Hz 0.1% H2O/D2O	Not available.
	Temp Grad	Not available.
	1H Lineshape	Closed cup: -17°C (1.4°F)
	13C S/N ASTM doped	Closed cup: 21.1°C (70°F)
	ID 1	Not available.
	ID 2	Closed cup: 88°C (190.4°F)
	Sucrose, NMR tested	Not available.
Flammable limits	: 1H S/N	Not available.
	4Hz 0.1% H2O/D2O	Not available.
	Temp Grad	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	ID 1	Not available.
	ID 2	Lower: 3%
	Sucrose, NMR tested	Not available.
Vapour density	: 1H S/N	Not available.
	4Hz 0.1% H2O/D2O	Not available.
	Temp Grad	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	ID 1	Not available.
	ID 2	1.04 [Air = 1]
	Sucrose, NMR tested	Not available.

9 . Physical and chemical properties

pH	: 1H S/N 4Hz 0.1% H2O/D2O Temp Grad 1H Lineshape 13C S/N ASTM doped ID 1 ID 2 Sucrose, NMR tested	Not available. 7 Not available. Not available. Not available. Not available. Not available. Not available.
Viscosity	: 1H S/N 4Hz 0.1% H2O/D2O Temp Grad 1H Lineshape 13C S/N ASTM doped ID 1 ID 2 Sucrose, NMR tested	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Auto-ignition temperature	: 1H S/N 4Hz 0.1% H2O/D2O Temp Grad 1H Lineshape 13C S/N ASTM doped ID 1 ID 2 Sucrose, NMR tested	Not available. Not available. Not available. Not available. Not available. Not available. 215°C (419°F) Not available.
Evaporation rate	: 1H S/N 4Hz 0.1% H2O/D2O Temp Grad 1H Lineshape 13C S/N ASTM doped ID 1 ID 2 Sucrose, NMR tested	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Solubility	: 1H S/N 4Hz 0.1% H2O/D2O Temp Grad 1H Lineshape 13C S/N ASTM doped ID 1 ID 2 Sucrose, NMR tested	Very slightly soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water, hot water and acetone. Easily soluble in the following materials: cold water and hot water. Very slightly soluble in the following materials: cold water and hot water. Soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Conditions to avoid	:	
Materials to avoid	:	
Hazardous decomposition products	: 1H S/N 4Hz 0.1% H2O/D2O Temp Grad	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

10 . Stability and reactivity

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.
ID 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
ID 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Sucrose, NMR tested	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

Other adverse symptoms	1H S/N	Not available.
	4Hz 0.1% H2O/D2O	Not available.
	Temp Grad	Not available.
	1H Lineshape	Not available.
	13C S/N ASTM doped	Not available.
	ID 1	Not available.
	ID 2	Not available.
	Sucrose, NMR tested	Not available.

Target organs

Target organs	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).
	4Hz 0.1% H2O/D2O	Not available.
	Temp Grad	Not available.
	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 (CNS), eye, lens or cornea.
	13C S/N ASTM doped	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.
	ID 1	Contains material which may cause damage to the following organs: kidneys, lungs, the nervous system, the reproductive system, liver, heart, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea, thyroid.
	ID 2	Contains material which may cause damage to the following organs: kidneys, liver, skin, eye, lens or cornea.

11 . Toxicological information

Sucrose, NMR tested

Not available.

12 . Ecological information

Ecotoxicity : This material is harmful 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](#)

Ingredient name	Schedule
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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