

# SAFETY DATA SHEET



Sample Kit - UHF, Part Number 191132400

## Section 1. Identification

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

### 1.1 Product identifier

**Product name** : Sample Kit - UHF, Part Number 191132400  
**Part No. (Chemical Kit)** : 191132400  
**Part No.** : Sucrose NMR Tested 190185512  
 Autotest 250mM NaCl 190185508  
**Validation date** : 08/25/2016

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Material uses** : Analytical chemistry.  
 Sucrose NMR Tested 860 µl  
 Autotest 250mM NaCl 860 µl

### 1.3 Details of the supplier of the safety data sheet

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 800-227-9770

### 1.4 Emergency telephone number

**In case of emergency** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

### 2.1 Classification of the substance or mixture

<b>OSHA/HCS status</b> : <input checked="" type="checkbox"/> Sucrose NMR Tested	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Autotest 250mM NaCl	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture

**Autotest 250mM NaCl**  
 H360 TOXIC TO REPRODUCTION (Fertility) - Category 1B  
 H360 TOXIC TO REPRODUCTION (Unborn child) - Category 1B

### 2.2 GHS label elements

## Section 2. Hazards identification

### Hazard pictograms



### Signal word

Sucrose NMR Tested  
Autotest 250mM NaCl

No signal word.

Danger

### Hazard statements

Sucrose NMR Tested  
Autotest 250mM NaCl

No known significant effects or critical hazards.  
GHS SYMBOL - **Health hazard** -  
H360 - May damage fertility or the unborn child.

### Precautionary statements

#### Prevention

Sucrose NMR Tested  
Autotest 250mM NaCl

Not applicable.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

#### Response

Sucrose NMR Tested  
Autotest 250mM NaCl

Not applicable.  
P308 + P313 - IF exposed or concerned: Get medical attention.

#### Storage

Sucrose NMR Tested  
Autotest 250mM NaCl

Not applicable.  
P405 - Store locked up.

#### Disposal

Sucrose NMR Tested  
Autotest 250mM NaCl

Not applicable.  
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Supplemental label elements

Sucrose NMR Tested  
Autotest 250mM NaCl

None known.  
None known.

### 2.3 Other hazards

#### Hazards not otherwise classified

Sucrose NMR Tested  
Autotest 250mM NaCl

None known.  
None known.

## Section 3. Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

### Substance/mixture

Sucrose NMR Tested  
Autotest 250mM NaCl

Mixture (encapsulated in article)  
Mixture (encapsulated in article)

Ingredient name	%	CAS number
Autotest 250mM NaCl Methanol ( <sup>13</sup> C)	≤0.3	14742-26-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional 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.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	: Sucrose NMR Tested	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Autotest 250mM NaCl	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
<b>Inhalation</b>	: Sucrose NMR Tested	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Autotest 250mM NaCl	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Skin contact</b>	: Sucrose NMR Tested	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Autotest 250mM NaCl	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	: Sucrose NMR Tested	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Autotest 250mM NaCl	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Section 4. First aid measures

### 4.2 Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No specific data. No specific data.
<b>Inhalation</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No specific data. Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
<b>Skin contact</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No specific data. Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
<b>Ingestion</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No specific data. Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	: Sucrose NMR Tested  Autotest 250mM NaCl	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No specific treatment. No specific treatment.
<b>Protection of first-aiders</b>	: Sucrose NMR Tested  Autotest 250mM NaCl	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: Sucrose NMR Tested Autotest 250mM NaCl	None known. None known.

### 5.2 Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	: Sucrose NMR Tested Autotest 250mM NaCl	In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: <input checked="" type="checkbox"/> Sucrose NMR Tested Autotest 250mM NaCl	No specific data. No specific data.

### 5.3 Advice for firefighters

<b>Special protective actions for fire-fighters</b>	: Sucrose NMR Tested  Autotest 250mM NaCl	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: Sucrose NMR Tested  Autotest 250mM NaCl	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: <input checked="" type="checkbox"/> Sucrose NMR Tested  Autotest 250mM NaCl	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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## Section 6. Accidental release measures

<p><b>For emergency responders</b> : Sucrose NMR Tested</p> <p style="padding-left: 150px;">Autotest 250mM NaCl</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p><b>6.2 Environmental precautions</b> : Sucrose NMR Tested</p> <p style="padding-left: 150px;">Autotest 250mM NaCl</p>	<p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p>
<p><b>6.3 Methods and materials for containment and cleaning up</b></p> <p><b>Methods for cleaning up</b> : Sucrose NMR Tested</p> <p style="padding-left: 150px;">Autotest 250mM NaCl</p>	<p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p> <p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

<p><b>Protective measures</b> : Sucrose NMR Tested</p> <p style="padding-left: 150px;">Autotest 250mM NaCl</p>	<p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
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## Section 7. Handling and storage

<b>Advice on general occupational hygiene</b>	: Sucrose NMR Tested  Autotest 250mM NaCl	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	: Sucrose NMR Tested  Autotest 250mM NaCl	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.  Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
<b>7.3 Specific end use(s)</b>		
<b>Recommendations</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Industrial applications, Professional applications. Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not applicable. Not applicable.

## Section 8. Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

### 8.1 Control parameters

#### Occupational exposure limits

## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
<b>Autotest 250mM NaCl</b> Methanol ( <sup>13</sup> C)	<p><b>ACGIH TLV (United States, 3/2016).</b>  <b>Absorbed through skin.</b>            TWA: 200 ppm 8 hours.            TWA: 262 mg/m<sup>3</sup> 8 hours.            STEL: 250 ppm 15 minutes.            STEL: 328 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b>  <b>Absorbed through skin.</b>            TWA: 200 ppm 8 hours.            TWA: 260 mg/m<sup>3</sup> 8 hours.            STEL: 250 ppm 15 minutes.            STEL: 325 mg/m<sup>3</sup> 15 minutes.</p> <p><b>NIOSH REL (United States, 10/2013).</b>  <b>Absorbed through skin.</b>            TWA: 200 ppm 10 hours.            TWA: 260 mg/m<sup>3</sup> 10 hours.            STEL: 250 ppm 15 minutes.            STEL: 325 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 2/2013).</b>            TWA: 200 ppm 8 hours.            TWA: 260 mg/m<sup>3</sup> 8 hours.</p>

### 8.2 Exposure controls

#### Appropriate engineering controls

- ☑ If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Environmental exposure controls

- ☑ Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

- ☑ Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

- ☑ Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

##### Hand protection

- ☑ Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.



## Section 8. Exposure controls/personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** :  Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Liquid. [Clear.] Liquid.
<b>Color</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Colorless.
<b>Odor</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Odor threshold</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>pH</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Melting point</b>	: Sucrose NMR Tested Autotest 250mM NaCl	0°C (32°F) 3.81°C (38.9°F)
<b>Boiling point</b>	: Sucrose NMR Tested Autotest 250mM NaCl	100°C (212°F) 101.42°C (214.6°F)
<b>Flash point</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Evaporation rate</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Flammability (solid, gas)</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not applicable. Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Vapor pressure</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Vapor density</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Relative density</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. 1.1
<b>Solubility</b>	: Sucrose NMR Tested  Autotest 250mM NaCl	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Auto-ignition temperature</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.
<b>Decomposition temperature</b>	: Sucrose NMR Tested Autotest 250mM NaCl	Not available. Not available.

## Section 9. Physical and chemical properties

**Viscosity** : Sucrose NMR Tested Not available.  
Autotest 250mM NaCl Not available.

## Section 10. Stability and reactivity

**10.1 Reactivity** : Sucrose NMR Tested No specific test data related to reactivity available for this product or its ingredients.  
Autotest 250mM NaCl No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : Sucrose NMR Tested The product is stable.  
Autotest 250mM NaCl The product is stable.

**10.3 Possibility of hazardous reactions** : Sucrose NMR Tested Under normal conditions of storage and use, hazardous reactions will not occur.  
Autotest 250mM NaCl Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : Sucrose NMR Tested No specific data.  
Autotest 250mM NaCl No specific data.

**10.5 Incompatible materials** :  Sucrose NMR Tested May react or be incompatible with oxidizing materials.  
Autotest 250mM NaCl May react or be incompatible with oxidizing materials.

**10.6 Hazardous decomposition products** : Sucrose NMR Tested Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Autotest 250mM NaCl Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Autotest 250mM NaCl Methanol ( <sup>13</sup> C)	LC50 Inhalation Gas.	Rat	145000 ppm	1 hours
	LC50 Inhalation Gas.	Rat	64000 ppm	4 hours
	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

## Section 11. Toxicological information

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>Autotest 250mM NaCl</b> Methanol ( <sup>13</sup> C)	Category 1 Category 3	Not determined Not applicable.	central nervous system (CNS) Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

: Sucrose NMR Tested  
Autotest 250mM NaCl

Not available.  
Routes of entry anticipated: Oral, Dermal,  
Inhalation.

### Potential acute health effects

#### Eye contact

: Sucrose NMR Tested  
Autotest 250mM NaCl

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

#### Inhalation

: Sucrose NMR Tested  
Autotest 250mM NaCl

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

#### Skin contact

: Sucrose NMR Tested  
Autotest 250mM NaCl

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

#### Ingestion

: Sucrose NMR Tested  
Autotest 250mM NaCl

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

#### Eye contact

: Sucrose NMR Tested  
Autotest 250mM NaCl

No specific data.  
No specific data.

#### Inhalation

: Sucrose NMR Tested  
Autotest 250mM NaCl

No specific data.  
Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

#### Skin contact

: Sucrose NMR Tested  
Autotest 250mM NaCl

No specific data.  
Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

#### Ingestion

: Sucrose NMR Tested  
Autotest 250mM NaCl

No specific data.  
Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

## Section 11. Toxicological information

### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Teratogenicity</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. May damage the unborn child.
<b>Developmental effects</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Fertility effects</b>	: Sucrose NMR Tested Autotest 250mM NaCl	No known significant effects or critical hazards. May damage fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Autotest 250mM NaCl Methanol ( <sup>13</sup> C)	Acute EC50 16.912 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - Ulva pertusa	96 hours

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Autotest 250mM NaCl Methanol ( <sup>13</sup> C)	-0.77	<10	low

### 12.4 Mobility in soil

## Section 12. Ecological information

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**12.5 Other adverse effects** :  No known significant effects or critical hazards.

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** :  The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## Section 14. Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

### Regulatory information

**DOT / IMDG / IATA** : Not regulated.

## Section 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**U.S. Federal regulations** :  TSCA 8(a) PAIR: Acetonitrile (<sup>15</sup>N)  
 United States inventory (TSCA 8b): All components are listed or exempted.  
 Clean Water Act (CWA) 307: Acetonitrile (<sup>15</sup>N)

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** :  Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

## Section 15. Regulatory information

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
<input checked="" type="checkbox"/> Sucrose NMR Tested Sodium azide	≤0.1	Yes.	500	-	1000	-

**SARA 304 RQ** : 100000000 lbs / 45400000 kg

### SARA 311/312

**Classification** :  Delayed (chronic) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
<input checked="" type="checkbox"/> Autotest 250mM NaCl Methanol ( <sup>13</sup> C)	≤0.3	Yes.	No.	No.	Yes.	Yes.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
<input checked="" type="checkbox"/> Autotest 250mM NaCl Methanol ( <sup>13</sup> C)	No.	Yes.	No.	23000 µg/day (ingestion) 47000 µg/day (inhalation)

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

## Section 15. Regulatory information

Not listed.

### [UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.

### [Inventory list](#)

<a href="#">Australia</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Canada inventory</a>	: Not determined.
<a href="#">China</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Europe</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Japan</a>	: <input checked="" type="checkbox"/> <b>Japan inventory (ENCS)</b> : All components are listed or exempted. <b>Japan inventory (ISHL)</b> : All components are listed or exempted.
<a href="#">Malaysia</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">New Zealand</a>	: <input checked="" type="checkbox"/> Not determined.
<a href="#">Philippines</a>	: <input checked="" type="checkbox"/> Not determined.
<a href="#">Republic of Korea</a>	: <input checked="" type="checkbox"/> Not determined.
<a href="#">Taiwan</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Turkey</a>	: <input checked="" type="checkbox"/> Not determined.

## Section 16. Other information

### [History](#)

<a href="#">Date of issue</a>	: 08/25/2016
<a href="#">Date of previous issue</a>	: 08/28/2014.
<a href="#">Version</a>	: 3

Indicates information that has changed from previously issued version.

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