

# SAFETY DATA SHEET



Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

<b>Product name</b>	: Agilent RNA 6000 Pico Kit, Part Number 5067-1513	
<b>Part no. (chemical kit)</b>	: 5067-1513	
<b>Part no.</b>	<u>Reagents RNA Pico</u>	<u>G2938-80024</u>
	RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	Not available.
	RNA Pico Marker	Not available.
	<u>RNA 6000 Pico ladder</u>	<u>G2938-80039</u>
	RNA Pico Ladder	Not available.

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

<b>Identified uses</b>	: For research use only.	
	RNA Pico Conditioning Solution	1 x 0.3 ml
	RNA Pico Gel Matrix	2 x 1.2 ml
	RNA Pico Dye Concentrate	1 x 0.035 ml
	RNA Pico Marker	4 x 0.6 ml
	RNA Pico Ladder	1 x 0.01 ml
<b>Uses advised against</b>	: Not for use in diagnostic procedures.	

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

Agilent Technologies Deutschland GmbH  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

<b>Product definition</b>	: RNA Pico Conditioning Solution	Mixture
	RNA Pico Gel Matrix	Mixture
	RNA Pico Dye Concentrate	Mixture
	RNA Pico Marker	Mixture
	RNA Pico Ladder	Mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

#### RNA Pico Dye Concentrate

H319	SERIOUS EYE DAMAGE/EYE IRRITATION	Category 2
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD	Category 3

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 2: Hazards identification

RNA Pico Conditioning Solution	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
RNA Pico Gel Matrix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
RNA Pico Dye Concentrate	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
RNA Pico Marker	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
RNA Pico Ladder	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

<b>Ingredients of unknown toxicity</b>	: RNA Pico Conditioning Solution	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
	: RNA Pico Gel Matrix	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
	: RNA Pico Dye Concentrate	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
<b>Ingredients of unknown ecotoxicity</b>	: RNA Pico Conditioning Solution	Contains 4.6% of components with unknown hazards to the aquatic environment
	: RNA Pico Gel Matrix	Contains 4.6% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

#### Hazard pictograms

: RNA Pico Dye Concentrate



#### Signal word

: RNA Pico Conditioning Solution	No signal word.
: RNA Pico Gel Matrix	No signal word.
: RNA Pico Dye Concentrate	Warning
: RNA Pico Marker	No signal word.
: RNA Pico Ladder	No signal word.

#### Hazard statements

: RNA Pico Conditioning Solution	No known significant effects or critical hazards.
: RNA Pico Gel Matrix	No known significant effects or critical hazards.
: RNA Pico Dye Concentrate	H319 - Causes serious eye irritation.
: RNA Pico Marker	H412 - Harmful to aquatic life with long lasting effects.
: RNA Pico Ladder	No known significant effects or critical hazards.

#### Precautionary statements

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 2: Hazards identification

<b>Prevention</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate	Not applicable. Not applicable. P280 - Wear eye or face protection.
		RNA Pico Marker RNA Pico Ladder	P273 - Avoid release to the environment. Not applicable. Not applicable.
<b>Response</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate	Not applicable. Not applicable. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
		RNA Pico Marker RNA Pico Ladder	Not applicable. Not applicable.
<b>Storage</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Not applicable. Not applicable.
<b>Supplemental label elements</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b><u>Special packaging requirements</u></b>			
<b>Tactile warning of danger</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

### 2.3 Other hazards

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 2: Hazards identification

<b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b>	: RNA Pico Conditioning Solution	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	RNA Pico Gel Matrix	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	RNA Pico Dye Concentrate	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	RNA Pico Marker	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	RNA Pico Ladder	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
<b>Other hazards which do not result in classification</b>	: RNA Pico Conditioning Solution	None known.
	RNA Pico Gel Matrix	None known.
	RNA Pico Dye Concentrate	Contains one or more substances considered to have endocrine-disrupting properties.
	RNA Pico Marker	None known.
	RNA Pico Ladder	None known.

**Substances identified as having endocrine disruptor properties**

Ingredient name	Impact
<b>RNA Pico Dye Concentrate</b> Polyoxyethylene octyl phenyl ether	Environment

## SECTION 3: Composition/information on ingredients

<b>3.1 Substances</b>	: RNA Pico Conditioning Solution	Mixture
	RNA Pico Gel Matrix	Mixture
	RNA Pico Dye Concentrate	Mixture
	RNA Pico Marker	Mixture
	RNA Pico Ladder	Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
<b>RNA Pico Dye Concentrate</b> Polyoxyethylene octyl phenyl ether	CAS: 9002-93-1	<2.5	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 <b>See Section 16 for the full text of the H statements declared above.</b>	ATE [Oral] = 1800 mg/kg M [Acute] = 10 M [Chronic] = 1	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

**Type**  
 RNA Pico Dye Concentrate [1] Substance classified with a health or environmental hazard  
 [2] Substance of equivalent concern

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 4: First aid measures

<b>Eye contact</b>	: RNA Pico Conditioning Solution	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.
	RNA Pico Gel Matrix	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.
	RNA Pico Dye Concentrate	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.
	RNA Pico Marker	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.
	RNA Pico Ladder	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.
<b>Inhalation</b>	: RNA Pico Conditioning Solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	RNA Pico Gel Matrix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	RNA Pico Dye Concentrate	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 adverse health effects persist or are severe. 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.
	RNA Pico Marker	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	RNA Pico Ladder	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: RNA Pico Conditioning Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Pico Gel Matrix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Pico Dye Concentrate	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	RNA Pico Marker	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Pico Ladder	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 4: First aid measures

<b>Ingestion</b>	: RNA Pico Conditioning Solution	Wash out mouth with water. 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.
	RNA Pico Gel Matrix	Wash out mouth with water. 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.
	RNA Pico Dye Concentrate	Wash out mouth with water. Remove dentures if any. 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 if adverse health effects persist or are severe. 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.
	RNA Pico Marker	Wash out mouth with water. 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.
	RNA Pico Ladder	Wash out mouth with water. 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.
<b>Protection of first-aiders</b>	: RNA Pico Conditioning Solution	No action shall be taken involving any personal risk or without suitable training.
	RNA Pico Gel Matrix	No action shall be taken involving any personal risk or without suitable training.
	RNA Pico Dye Concentrate	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	RNA Pico Marker	No action shall be taken involving any personal risk or without suitable training.
	RNA Pico Ladder	No action shall be taken involving any personal risk or without suitable training.

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

#### Potential acute health effects

<b>Eye contact</b>	: RNA Pico Conditioning Solution	No known significant effects or critical hazards.
	RNA Pico Gel Matrix	No known significant effects or critical hazards.
	RNA Pico Dye Concentrate	Causes serious eye irritation.
	RNA Pico Marker	No known significant effects or critical hazards.
	RNA Pico Ladder	No known significant effects or critical hazards.
<b>Inhalation</b>	: RNA Pico Conditioning Solution	No known significant effects or critical hazards.
	RNA Pico Gel Matrix	No known significant effects or critical hazards.
	RNA Pico Dye Concentrate	No known significant effects or critical hazards.
	RNA Pico Marker	No known significant effects or critical hazards.
	RNA Pico Ladder	No known significant effects or critical hazards.

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 4: First aid measures

<b>Skin contact</b>	:	RNA Pico Conditioning Solution	No known significant effects or critical hazards.
		RNA Pico Gel Matrix	No known significant effects or critical hazards.
		RNA Pico Dye Concentrate	No known significant effects or critical hazards.
		RNA Pico Marker	No known significant effects or critical hazards.
		RNA Pico Ladder	No known significant effects or critical hazards.
<b>Ingestion</b>	:	RNA Pico Conditioning Solution	No known significant effects or critical hazards.
		RNA Pico Gel Matrix	No known significant effects or critical hazards.
		RNA Pico Dye Concentrate	No known significant effects or critical hazards.
		RNA Pico Marker	No known significant effects or critical hazards.
		RNA Pico Ladder	No known significant effects or critical hazards.

### Over-exposure signs/symptoms

<b>Eye contact</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	Adverse symptoms may include the following:  pain or irritation watering redness
<b>Inhalation</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	No specific data.
		RNA Pico Marker	No specific data.
		RNA Pico Ladder	No specific data.
<b>Skin contact</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	No specific data.
		RNA Pico Marker	No specific data.
		RNA Pico Ladder	No specific data.
<b>Ingestion</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	No specific data.
		RNA Pico Marker	No specific data.
		RNA Pico Ladder	No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	:	RNA Pico Conditioning Solution	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		RNA Pico Gel Matrix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		RNA Pico Dye Concentrate	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RNA Pico Marker	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RNA Pico Ladder	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 4: First aid measures

<b>Specific treatments</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment.
----------------------------	---	--

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	None known. None known. None known. None known. None known.

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

<b>Hazards from the substance or mixture</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix  RNA Pico Dye Concentrate  RNA Pico Marker RNA Pico Ladder	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.  In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. 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 combustion products</b>	: RNA Pico Conditioning Solution  RNA Pico Gel Matrix  RNA Pico Dye Concentrate  RNA Pico Marker RNA Pico Ladder	Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides sulfur oxides Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides Decomposition products may include the following materials:  carbon dioxide carbon monoxide sulfur oxides No specific data. No specific data.

### 5.3 Advice for firefighters



Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 5: Firefighting measures

<b>Special precautions for fire-fighters</b>	: RNA Pico Conditioning Solution	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.
	RNA Pico Gel Matrix	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.
	RNA Pico Dye Concentrate	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.
	RNA Pico Marker	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.
	RNA Pico Ladder	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>	: RNA Pico Conditioning Solution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	RNA Pico Gel Matrix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	RNA Pico Dye Concentrate	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	RNA Pico Marker	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	RNA Pico Ladder	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

<b>For non-emergency personnel</b>	: RNA Pico Conditioning Solution	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 spilt material. Put on appropriate personal protective equipment.
	RNA Pico Gel Matrix	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 spilt material. Put on appropriate personal protective equipment.
	RNA Pico Dye Concentrate	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 spilt material. Avoid breathing

## SECTION 6: Accidental release measures

		vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	RNA Pico Marker	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 spilt material. Put on appropriate personal protective equipment.
	RNA Pico Ladder	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 spilt material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: RNA Pico Conditioning Solution	If specialised 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".
	RNA Pico Gel Matrix	If specialised 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".
	RNA Pico Dye Concentrate	If specialised 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".
	RNA Pico Marker	If specialised 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".
	RNA Pico Ladder	If specialised 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".
<b>6.2 Environmental precautions</b>	: RNA Pico Conditioning Solution	Avoid dispersal of spilt 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).
	RNA Pico Gel Matrix	Avoid dispersal of spilt 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).
	RNA Pico Dye Concentrate	Avoid dispersal of spilt 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). Water polluting material. May be harmful to the environment if released in large quantities.
	RNA Pico Marker	Avoid dispersal of spilt 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).
	RNA Pico Ladder	Avoid dispersal of spilt 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).

### 6.3 Methods and material for containment and cleaning up

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 6: Accidental release measures

<b>Methods for cleaning up</b>	: RNA Pico Conditioning Solution	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.
	RNA Pico Gel Matrix	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.
	RNA Pico Dye Concentrate	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. May be harmful to the environment if released. Dispose of spillages under controlled conditions.
	RNA Pico Marker	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.
	RNA Pico Ladder	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.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

<b>Protective measures</b>	: RNA Pico Conditioning Solution	Put on appropriate personal protective equipment (see Section 8).
	RNA Pico Gel Matrix	Put on appropriate personal protective equipment (see Section 8).
	RNA Pico Dye Concentrate	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. 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.
	RNA Pico Marker	Put on appropriate personal protective equipment (see Section 8).
	RNA Pico Ladder	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: RNA Pico Conditioning Solution	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.
	RNA Pico Gel Matrix	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.

## SECTION 7: Handling and storage

RNA Pico Dye Concentrate	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.
RNA Pico Marker	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.
RNA Pico Ladder	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.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

: RNA Pico Conditioning Solution	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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
RNA Pico Gel Matrix	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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
RNA Pico Dye Concentrate	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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
RNA Pico Marker	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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
RNA Pico Ladder	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 7: Handling and storage

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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

<b>Recommendations</b>	: RNA Pico Conditioning Solution	Industrial applications, Professional applications.
	RNA Pico Gel Matrix	Industrial applications, Professional applications.
	RNA Pico Dye Concentrate	Industrial applications, Professional applications.
	RNA Pico Marker	Industrial applications, Professional applications.
	RNA Pico Ladder	Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	Not available.
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### Biological exposure indices

None known.

#### **Recommended monitoring procedures**

: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### 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.

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 8: Exposure controls/personal protection

- 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.
- 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.
- 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.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- |                          |                                  |                                  |
|--------------------------|----------------------------------|----------------------------------|
| <b>Physical state</b>    | : RNA Pico Conditioning Solution | Liquid.                          |
|                          | RNA Pico Gel Matrix              | Liquid.                          |
|                          | RNA Pico Dye Concentrate         | Liquid.                          |
|                          | RNA Pico Marker                  | Liquid.                          |
|                          | RNA Pico Ladder                  | Liquid.                          |
|                          | <b>Colour</b>                    | : RNA Pico Conditioning Solution |
| RNA Pico Gel Matrix      |                                  | Not available.                   |
| RNA Pico Dye Concentrate |                                  | Blue.                            |
| RNA Pico Marker          |                                  | Not available.                   |
| RNA Pico Ladder          |                                  | Not available.                   |
| <b>Odour</b>             |                                  | : RNA Pico Conditioning Solution |
|                          | RNA Pico Gel Matrix              | Not available.                   |
|                          | RNA Pico Dye Concentrate         | Not available.                   |
|                          | RNA Pico Marker                  | Not available.                   |
|                          | RNA Pico Ladder                  | Not available.                   |

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 9: Physical and chemical properties

<b>Odour threshold</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not available. Not available. Not available. Not available. Not available.									
<b>Melting point/freezing point</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	0°C Not available. 18.5°C 0°C 0°C									
<b>Initial boiling point and boiling range</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	100°C Not available. 189°C 100°C 100°C									
<b>Flammability</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.									
<b>Upper/lower flammability or explosive limits</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not available. Not available. Not available. Not available. Not available.									
<b>Flash point</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not available. Not available. Closed cup: 61 to 93.3°C Not available. Not available.									
<b>Auto-ignition temperature</b>	:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Ingredient name</th> <th style="text-align: center;">°C</th> <th style="text-align: left;">Method</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>RNA Pico Dye Concentrate</b></td> </tr> <tr> <td>Dimethyl sulfoxide</td> <td style="text-align: center;">300 to 302</td> <td></td> </tr> </tbody> </table>		Ingredient name	°C	Method	<b>RNA Pico Dye Concentrate</b>			Dimethyl sulfoxide	300 to 302	
Ingredient name	°C	Method										
<b>RNA Pico Dye Concentrate</b>												
Dimethyl sulfoxide	300 to 302											
<b>Decomposition temperature</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not available. Not available. 140 to 189°C Not available. Not available.									
<b>pH</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	Not available. Not available. Not available. Not available. Not available.									

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 9: Physical and chemical properties

**Viscosity** : RNA Pico Conditioning Solution Not available.  
 RNA Pico Gel Matrix Not available.  
 RNA Pico Dye Concentrate Not available.  
 RNA Pico Marker Not available.  
 RNA Pico Ladder Not available.

<b>Solubility(ies)</b>	<b>Media</b>	<b>Result</b>
	<b>RNA Pico Conditioning Solution</b> water	Soluble
	<b>RNA Pico Gel Matrix</b> water	Soluble
	<b>RNA Pico Dye Concentrate</b> water	Soluble
	<b>RNA Pico Marker</b> water	Soluble
	<b>RNA Pico Ladder</b> water	Soluble

**Partition coefficient: n-octanol/water** : RNA Pico Conditioning Solution Not applicable.  
 RNA Pico Gel Matrix Not applicable.  
 RNA Pico Dye Concentrate Not applicable.  
 RNA Pico Marker Not applicable.  
 RNA Pico Ladder Not applicable.

**Vapour pressure** : RNA Pico Conditioning Solution Not available.  
 RNA Pico Gel Matrix Not available.  
 RNA Pico Dye Concentrate 0.056 kPa (0.42 mm Hg)  
 RNA Pico Marker Not available.  
 RNA Pico Ladder Not available.

<b>Ingredient name</b>	<b>Vapour Pressure at 20° C</b>			<b>Vapour pressure at 50° C</b>		
	<b>mm Hg</b>	<b>kPa</b>	<b>Method</b>	<b>mm Hg</b>	<b>kPa</b>	<b>Method</b>
<b>RNA Pico Conditioning Solution</b> water	23.8	3.2		92.258	12.3	
<b>RNA Pico Gel Matrix</b> water	23.8	3.2		92.258	12.3	
<b>RNA Pico Marker</b> water	23.8	3.2		92.258	12.3	
<b>RNA Pico Ladder</b> water	23.8	3.2		92.258	12.3	



Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 9: Physical and chemical properties

<b>Evaporation rate</b>	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	0.026 (butyl acetate = 1)
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
<b>Relative density</b>	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	1.1
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
<b>Vapour density</b>	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	2.7 [Air = 1]
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
<b>Explosive properties</b>	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	Not available.
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
<b>Oxidising properties</b>	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	Not available.
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
<b>Particle characteristics</b>		
<b>Median particle size</b>	: RNA Pico Conditioning Solution	Not applicable.
	RNA Pico Gel Matrix	Not applicable.
	RNA Pico Dye Concentrate	Not applicable.
	RNA Pico Marker	Not applicable.
	RNA Pico Ladder	Not applicable.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: RNA Pico Conditioning Solution	No specific test data related to reactivity available for this product or its ingredients.
	RNA Pico Gel Matrix	No specific test data related to reactivity available for this product or its ingredients.
	RNA Pico Dye Concentrate	No specific test data related to reactivity available for this product or its ingredients.
	RNA Pico Marker	No specific test data related to reactivity available for this product or its ingredients.
	RNA Pico Ladder	No specific test data related to reactivity available for this product or its ingredients.

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 10: Stability and reactivity

<b>10.2 Chemical stability</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix  RNA Pico Dye Concentrate RNA Pico Marker  RNA Pico Ladder	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.  Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.  Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	No specific data. No specific data. No specific data. No specific data. No specific data.
<b>10.5 Incompatible materials</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
<b>10.6 Hazardous decomposition products</b>	: RNA Pico Conditioning Solution RNA Pico Gel Matrix  RNA Pico Dye Concentrate RNA Pico Marker  RNA Pico Ladder	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. 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.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
RNA Pico Dye Concentrate Polyoxyethylene octyl phenyl ether	LD50 Oral	Rat	1800 mg/kg	-

#### Acute toxicity estimates

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 11: Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>RNA Pico Dye Concentrate</b>					
RNA Pico Dye Concentrate	94095.9	N/A	N/A	N/A	N/A
Polyoxyethylene octyl phenyl ether	1800	N/A	N/A	N/A	N/A

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>RNA Pico Dye Concentrate</b>					
Polyoxyethylene octyl phenyl ether	Skin - Mild irritant	Rabbit	-	24 hours 500 uL	-

### Sensitiser

**Conclusion/Summary** : Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : RNA Pico Conditioning Solution Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.  
 RNA Pico Gel Matrix Not available.  
 RNA Pico Dye Concentrate Not available.  
 RNA Pico Marker Not available.  
 RNA Pico Ladder Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

**Inhalation** : RNA Pico Conditioning Solution No known significant effects or critical hazards.  
 RNA Pico Gel Matrix No known significant effects or critical hazards.  
 RNA Pico Dye Concentrate No known significant effects or critical hazards.  
 RNA Pico Marker No known significant effects or critical hazards.  
 RNA Pico Ladder No known significant effects or critical hazards.

**Ingestion** : RNA Pico Conditioning Solution No known significant effects or critical hazards.  
 RNA Pico Gel Matrix No known significant effects or critical hazards.  
 RNA Pico Dye Concentrate No known significant effects or critical hazards.  
 RNA Pico Marker No known significant effects or critical hazards.  
 RNA Pico Ladder No known significant effects or critical hazards.

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 11: Toxicological information

<b>Skin contact</b>	:	RNA Pico Conditioning Solution	No known significant effects or critical hazards.
		RNA Pico Gel Matrix	No known significant effects or critical hazards.
		RNA Pico Dye Concentrate	No known significant effects or critical hazards.
		RNA Pico Marker	No known significant effects or critical hazards.
		RNA Pico Ladder	No known significant effects or critical hazards.
<b>Eye contact</b>	:	RNA Pico Conditioning Solution	No known significant effects or critical hazards.
		RNA Pico Gel Matrix	No known significant effects or critical hazards.
		RNA Pico Dye Concentrate	Causes serious eye irritation.
		RNA Pico Marker	No known significant effects or critical hazards.
		RNA Pico Ladder	No known significant effects or critical hazards.

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

<b>Inhalation</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	No specific data.
		RNA Pico Marker	No specific data.
		RNA Pico Ladder	No specific data.
<b>Ingestion</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	No specific data.
		RNA Pico Marker	No specific data.
		RNA Pico Ladder	No specific data.
<b>Skin contact</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	No specific data.
		RNA Pico Marker	No specific data.
		RNA Pico Ladder	No specific data.
<b>Eye contact</b>	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	Adverse symptoms may include the following:
			pain or irritation watering redness
		RNA Pico Marker	No specific data.
	RNA Pico Ladder	No specific data.	

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### 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

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 11: Toxicological information

<b>General</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	:	RNA Pico Conditioning Solution RNA Pico Gel Matrix RNA Pico Dye Concentrate RNA Pico Marker RNA Pico Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

#### 11.2.2 Other information

RNA Pico Conditioning Solution	Not available.
RNA Pico Gel Matrix	Not available.
RNA Pico Dye Concentrate	Not available.
RNA Pico Marker	Not available.
RNA Pico Ladder	Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
RNA Pico Dye Concentrate Polyoxyethylene octyl phenyl ether	Acute LC50 5.85 mg/l Fresh water	Crustaceans - Ceriodaphnia rigaudi - Neonate	48 hours
	Acute LC50 11.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 4500 µg/l Fresh water	Fish - Pimephales promelas	96 hours

### 12.2 Persistence and degradability

Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
RNA Pico Dye Concentrate Polyoxyethylene octyl phenyl ether	-	-	Readily

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 12: Ecological information

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
RNA Pico Dye Concentrate Polyoxyethylene octyl phenyl ether	4.86	-	high

### 12.4 Mobility in soil

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

Mobility : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

RNA Pico Dye Concentrate Contains one or more substances considered to have endocrine-disrupting properties.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised 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.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : Dispose of material(s) and residues under controlled conditions. 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 14: Transport information

14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

### Additional information

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
<b>RNA Pico Dye Concentrate</b> Polyoxyethylene octyl phenyl ether	Endocrine disrupting properties for environment	Listed	42	7/3/2017

##### Substances of very high concern

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
<b>RNA Pico Dye Concentrate</b> Polyoxyethylene octyl phenyl ether	Endocrine disrupting properties for environment	Recommended	ED/169/2012	7/3/2017

### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not listed.

**Label**

RNA Pico Conditioning Solution	Not applicable.
RNA Pico Gel Matrix	Not applicable.
RNA Pico Dye Concentrate	Not applicable.
RNA Pico Marker	Not applicable.
RNA Pico Ladder	Not applicable.

### Other EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Listed

### Ozone depleting substances (1005/2009/EU)

Not listed.

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 15: Regulatory information

### Persistent Organic Pollutants

Not listed.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### International regulations

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

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Eurasian Economic Union</b>	: <b>Russian Federation inventory</b> : Not determined.
<b>Japan</b>	: <b>Japan inventory (CSCL)</b> : Not determined. <b>Japan inventory (ISHL)</b> : Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: Not determined.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**



Agilent RNA 6000 Pico Kit, Part Number 5067-1513

## SECTION 16: Other information

Classification	Justification
<b>RNA Pico Dye Concentrate</b> Eye Irrit. 2, H319 Aquatic Chronic 3, H412	Calculation method Calculation method

### [Full text of abbreviated H statements](#)

<b>RNA Pico Dye Concentrate</b> H302 H315 H318 H319 H400 H410 H412	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
---	--

### [Full text of classifications \[CLP/GHS\]](#)

<b>RNA Pico Dye Concentrate</b> Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Eye Dam. 1 Eye Irrit. 2 Skin Irrit. 2	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2
---	---

**Date of issue/ Date of revision** : 21/12/2022

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

**Version** : 1

### [Notice to reader](#)

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.