

SAFETY DATA SHEET

Agilent RNA 6000 Pico Reagents, Part Number 5067-1514

Section 1. Identification

1.1 Product identifier

Product name : Agilent RNA 6000 Pico Reagents, Part Number 5067-1514
Part No. (Chemical Kit) : 5067-1514
Part No. : Reagents RNA Pico G2938-80024
 RNA Pico Conditioning Solution Not available.
 RNA Pico Gel Matrix Not available.
 RNA Pico Dye Concentrate Not available.
 RNA Pico Marker Not available.
RNA 6000 Pico ladder G2938-80039
 RNA Pico Ladder Not available.

Validation date : 9/5/2017

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

Material uses : Analytical chemistry.
 Research and Development
 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

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

2.1 Classification of the substance or mixture

OSHA/HCS status : <input checked="" type="checkbox"/> RNA Pico Conditioning Solution	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.
RNA Pico Gel Matrix	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.
RNA Pico Dye Concentrate	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
RNA Pico Marker	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

Section 2. Hazards identification

SDS should be retained and available for employees and other users of this product.

RNA Pico Ladder

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.

Classification of the substance or mixture

RNA Pico Dye Concentrate

H227 FLAMMABLE LIQUIDS - Category 4
H319 EYE IRRITATION - Category 2A

Ingredients of unknown toxicity	: RNA Pico Conditioning Solution	Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10% Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%
	RNA Pico Gel Matrix	Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10% Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%
	RNA Pico Dye Concentrate	Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10%

2.2 GHS 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 H227 - Combustible liquid.
H319 - Causes serious eye irritation.
RNA Pico Marker No known significant effects or critical hazards.
RNA Pico Ladder No known significant effects or critical hazards.

Precautionary statements

Prevention : RNA Pico Conditioning Solution Not applicable.
RNA Pico Gel Matrix Not applicable.
RNA Pico Dye Concentrate P280 - Wear protective gloves. Wear eye or face protection.
P210 - Keep away from flames and hot surfaces. - No smoking.
P264 - Wash hands thoroughly after handling.
RNA Pico Marker Not applicable.
RNA Pico Ladder Not applicable.

Section 2. Hazards identification

Response	: RNA Pico Conditioning Solution	Not applicable.
	RNA Pico Gel Matrix	Not applicable.
	RNA Pico Dye Concentrate	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 attention.
Storage	RNA Pico Marker	Not applicable.
	RNA Pico Ladder	Not applicable.
	: RNA Pico Conditioning Solution	Not applicable.
Disposal	RNA Pico Gel Matrix	Not applicable.
	RNA Pico Dye Concentrate	P403 - Store in a well-ventilated place. P235 - Keep cool.
	RNA Pico Marker	Not applicable.
Supplemental label elements	RNA Pico Ladder	Not applicable.
	: RNA Pico Conditioning Solution	None known.
	RNA Pico Gel Matrix	None known.
2.3 Other hazards	RNA Pico Dye Concentrate	None known.
	RNA Pico Marker	None known.
	RNA Pico Ladder	None known.
Hazards not otherwise classified	: RNA Pico Conditioning Solution	None known.
	RNA Pico Gel Matrix	None known.
	RNA Pico Dye Concentrate	None known.
	RNA Pico Marker	None known.
	RNA Pico Ladder	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: RNA Pico Conditioning Solution	Mixture
	RNA Pico Gel Matrix	Mixture
	RNA Pico Dye Concentrate	Mixture
	RNA Pico Marker	Mixture
	RNA Pico Ladder	Mixture

Ingredient name	%	CAS number
RNA Pico Dye Concentrate		
Dimethyl sulfoxide	≥90	67-68-5
Polyoxyethylene octyl phenyl ether	≤2.9	9002-93-1

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

Eye contact	: 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.
Inhalation	: 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.

Section 4. First aid measures

Skin contact	: 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.
Ingestion	: RNA Pico Conditioning Solution	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.
	RNA Pico Gel Matrix	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.
	RNA Pico Dye Concentrate	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 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. 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.
	RNA Pico Ladder	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

Section 4. First aid measures

unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: 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. Causes serious eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: 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.
Skin contact	: 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.
Ingestion	: 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.

Over-exposure signs/symptoms

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

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



Section 4. First aid measures

Notes to physician	: 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.
Specific treatments	: RNA Pico Conditioning Solution	No specific treatment.
	RNA Pico Gel Matrix	No specific treatment.
	RNA Pico Dye Concentrate	No specific treatment.
	RNA Pico Marker	No specific treatment.
	RNA Pico Ladder	No specific treatment.
Protection of first-aiders	: 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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	:  RNA Pico Conditioning Solution	Use an extinguishing agent suitable for the surrounding fire.
	RNA Pico Gel Matrix	Use an extinguishing agent suitable for the surrounding fire.
	RNA Pico Dye Concentrate	Use dry chemical, CO ₂ , water spray (fog) or foam.
	RNA Pico Marker	Use an extinguishing agent suitable for the surrounding fire.
	RNA Pico Ladder	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:  RNA Pico Conditioning Solution	None known.
	RNA Pico Gel Matrix	None known.
	RNA Pico Dye Concentrate	Do not use water jet.
	RNA Pico Marker	None known.
	RNA Pico Ladder	None known.

5.2 Special hazards arising from the substance or mixture

Section 5. Fire-fighting measures

Specific hazards arising from the chemical

RNA Pico Conditioning Solution	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Pico Gel Matrix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Pico Dye Concentrate	Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
RNA Pico Marker	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Pico Ladder	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

RNA Pico Conditioning Solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides
RNA Pico Gel Matrix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides
RNA Pico Dye Concentrate	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
RNA Pico Marker	No specific data.
RNA Pico Ladder	No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters

: RNA Pico Conditioning Solution

without suitable training.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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.

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.

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.

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.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: 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 spilled 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 spilled 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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor 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 spilled 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 spilled material. Put on appropriate personal protective equipment.

Section 6. Accidental release measures

<p>For emergency responders :</p>	<p>RNA Pico Conditioning Solution</p> <p>RNA Pico Gel Matrix</p> <p>RNA Pico Dye Concentrate</p> <p>RNA Pico Marker</p> <p>RNA Pico Ladder</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".</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".</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".</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".</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".</p>
<p>6.2 Environmental precautions</p>	<p>: RNA Pico Conditioning Solution</p> <p>RNA Pico Gel Matrix</p> <p>RNA Pico Dye Concentrate</p> <p>RNA Pico Marker</p> <p>RNA Pico Ladder</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>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>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>6.3 Methods and materials for containment and cleaning up</p>	<p>Methods for cleaning up :</p> <p>RNA Pico Conditioning Solution</p> <p>RNA Pico Gel Matrix</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.</p>

Section 6. Accidental release measures

RNA Pico Dye Concentrate	disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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 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.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

: 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 vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. 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).

Advice on general occupational hygiene

: 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

Section 7. Handling and storage

RNA Pico Dye Concentrate

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. 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.

RNA Pico Marker

RNA Pico Ladder

7.2 Conditions for safe storage, including any incompatibilities

: RNA Pico Conditioning Solution

Storage temperature: 4°C (39.2°F). 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. See Section 10 for incompatible materials before handling or use.

RNA Pico Gel Matrix

Storage temperature: 4°C (39.2°F). 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. See Section 10 for incompatible materials before handling or use.

RNA Pico Dye Concentrate

Storage temperature: 4°C (39.2°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers

Section 7. Handling and storage

RNA Pico Marker

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. See Section 10 for incompatible materials before handling or use.

Storage temperature: 4°C (39.2°F). 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. See Section 10 for incompatible materials before handling or use.

Storage temperature: -20°C (-4°F). 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. See Section 10 for incompatible materials before handling or use.

RNA Pico Ladder

7.3 Specific end use(s)

Recommendations

: 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.

Industrial sector specific solutions

: 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.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
RNA Pico Dye Concentrate Dimethyl sulfoxide Polyoxyethylene octyl phenyl ether	AIHA WEEL (United States, 10/2011). TWA: 250 ppm 8 hours. None.

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Section 8. Exposure controls/personal protection

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: chemical splash goggles.

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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: RNA Pico Conditioning Solution	Liquid.
	RNA Pico Gel Matrix	Liquid.
	RNA Pico Dye Concentrate	Liquid.
	RNA Pico Marker	Liquid.
	RNA Pico Ladder	Liquid.
Color	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	Blue.
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
Odor	: 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 9. Physical and chemical properties

Odor threshold	: 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.
pH	: 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.
Melting point	: RNA Pico Conditioning Solution	0°C (32°F)
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	18.5°C (65.3°F)
	RNA Pico Marker	0°C (32°F)
	RNA Pico Ladder	0°C (32°F)
Boiling point	: RNA Pico Conditioning Solution	100°C (212°F)
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	189°C (372.2°F)
	RNA Pico Marker	100°C (212°F)
	RNA Pico Ladder	100°C (212°F)
Flash point	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	Closed cup: 61 to 93.3°C (141.8 to 199.9°F)
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
Evaporation rate	: 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.
Flammability (solid, gas)	: 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.
Lower and upper explosive (flammable) limits	: 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.
Vapor pressure	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	0.056 kPa (0.42 mm Hg) [room temperature]
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
Vapor density	: 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.
Relative density	: 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.

Section 9. Physical and chemical properties

Solubility	: RNA Pico Conditioning Solution	Easily soluble in the following materials: cold water and hot water.
	RNA Pico Gel Matrix	Easily soluble in the following materials: cold water and hot water.
	RNA Pico Dye Concentrate	Soluble in the following materials: cold water and hot water.
	RNA Pico Marker	Easily soluble in the following materials: cold water and hot water.
	RNA Pico Ladder	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: 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.
Auto-ignition temperature	: 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.
Decomposition temperature	: RNA Pico Conditioning Solution	Not available.
	RNA Pico Gel Matrix	Not available.
	RNA Pico Dye Concentrate	140 to 189°C (284 to 372.2°F)
	RNA Pico Marker	Not available.
	RNA Pico Ladder	Not available.
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.

Section 10. Stability and reactivity

10.1 Reactivity	: 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.
10.2 Chemical stability	: RNA Pico Conditioning Solution	The product is stable.
	RNA Pico Gel Matrix	The product is stable.
	RNA Pico Dye Concentrate	The product is stable.
	RNA Pico Marker	The product is stable.
	RNA Pico Ladder	The product is stable.

Section 10. Stability and reactivity

10.3 Possibility of hazardous reactions	:	RNA Pico Conditioning Solution	Under normal conditions of storage and use, hazardous reactions will not occur.
		RNA Pico Gel Matrix	Under normal conditions of storage and use, hazardous reactions will not occur.
		RNA Pico Dye Concentrate	Under normal conditions of storage and use, hazardous reactions will not occur.
		RNA Pico Marker	Under normal conditions of storage and use, hazardous reactions will not occur.
		RNA Pico Ladder	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	RNA Pico Conditioning Solution	No specific data.
		RNA Pico Gel Matrix	No specific data.
		RNA Pico Dye Concentrate	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
		RNA Pico Marker	No specific data.
		RNA Pico Ladder	No specific data.
10.5 Incompatible materials	:	RNA Pico Conditioning Solution	May react or be incompatible with oxidizing materials.
		RNA Pico Gel Matrix	May react or be incompatible with oxidizing materials.
		RNA Pico Dye Concentrate	Reactive or incompatible with the following materials: oxidizing materials
		RNA Pico Marker	May react or be incompatible with oxidizing materials.
		RNA Pico Ladder	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	:	RNA Pico Conditioning Solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Pico Gel Matrix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Pico Dye Concentrate	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Pico Marker	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Pico Ladder	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

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
RNA Pico Dye Concentrate				
Dimethyl sulfoxide	LD50 Dermal	Rat	40000 mg/kg	-
	LD50 Oral	Rat	14500 mg/kg	-
Polyoxyethylene octyl phenyl ether	LD50 Oral	Rat	1800 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
RNA Pico Dye Concentrate					
Dimethyl sulfoxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	100 milligrams	-
Polyoxyethylene octyl phenyl ether	Eyes - Moderate irritant	Rabbit	-	24 hours 10 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

: RNA Pico Conditioning Solution Not available.
 RNA Pico Gel Matrix Not available.
 RNA Pico Dye Concentrate Routes of entry anticipated: Oral, Dermal, Inhalation.

 RNA Pico Marker Not available.
 RNA Pico Ladder Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Section 11. Toxicological information

Eye contact	: 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.
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.
Skin contact	: 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.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: 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.
Inhalation	: 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.
Skin contact	: 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.
Ingestion	: 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.

Delayed and immediate effects and also 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.

Section 11. Toxicological information

Potential chronic health effects

General	: 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.
Carcinogenicity	: 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.
Mutagenicity	: 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.
Teratogenicity	: 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.
Developmental effects	: 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.
Fertility effects	: 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.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
RNA Pico Dye Concentrate Oral	94095.9 mg/kg

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
RNA Pico Dye Concentrate Dimethyl sulfoxide Polyoxyethylene octyl phenyl ether	Acute LC50 25000 ppm Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 34000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 100 µl/L Marine water	Algae - Ulva lactuca	72 hours
	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

Section 12. Ecological information

12.2 Persistence and degradability

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

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
RNA Pico Dye Concentrate Dimethyl sulfoxide	-1.35	3.16	low
Polyoxyethylene octyl phenyl ether	4.86	-	high

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : 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

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

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.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

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:** Polyoxyethylene octyl phenyl ether
TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : RNA Pico Conditioning Solution Not applicable.
 RNA Pico Gel Matrix Not applicable.
 RNA Pico Dye Concentrate Fire hazard
Immediate (acute) health hazard
 RNA Pico Marker Not applicable.
 RNA Pico Ladder Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
<input checked="" type="checkbox"/> RNA Pico Dye Concentrate						
Dimethyl sulfoxide	≥90	Yes.	No.	No.	Yes.	No.
Polyoxyethylene octyl phenyl ether	≤2.9	No.	No.	No.	Yes.	No.

State regulations

Massachusetts : None of the components are listed.

Section 15. Regulatory information

- New York** : None of the components are listed.
- New Jersey** : The following components are listed: DIMETHYL SULFOXIDE; METHANE, SULFINYLBI-
- Pennsylvania** : None of the components are listed.

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)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- Australia** : Not determined.
- Canada** : Not determined.
- China** : Not determined.
- Europe** : Not determined.
- Japan** : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.
- Malaysia** : Not determined.
- New Zealand** : Not determined.
- Philippines** : Not determined.
- Republic of Korea** : Not determined.
- Taiwan** : Not determined.
- Thailand** : Not determined.
- Turkey** : Not determined.
- United States** : Not determined.
- Viet Nam** : Not determined.

Section 16. Other information

History

- Date of issue** : 09/05/2017
- Date of previous issue** : 07/15/2015.
- Version** : 4

Indicates information that has changed from previously issued version.

Notice to reader

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