

SAFETY DATA SHEET

Agilent RNA 6000 Pico Ladder, Part Number 5067-1535

Section 1. Identification

Product identifier : Agilent RNA 6000 Pico Ladder, Part Number 5067-1535
Part no. (chemical kit) : 5067-1535
Part no. : RNA 6000 Pico Ladder G2938-80039
 RNA Pico Ladder Not available.

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

Identified uses : Analytical reagent.
 For research use only.
 RNA Pico Ladder 1 x 0.01 ml

Uses advised against : Not for use in diagnostic procedures.

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

Emergency telephone number (with hours of operation) : CHEMTREC®: 1-800-424-9300

Section 2. Hazard identification

Classification of the substance or mixture

Not classified.

GHS label elements

Signal word : RNA Pico Ladder No signal word.

Hazard statements : RNA Pico Ladder No known significant effects or critical hazards.

Precautionary statements

Prevention : RNA Pico Ladder Not applicable.

Response : RNA Pico Ladder Not applicable.

Storage : RNA Pico Ladder Not applicable.

Disposal : RNA Pico Ladder Not applicable.

Supplemental label elements : RNA Pico Ladder None known.

Other hazards which do not result in classification : RNA Pico Ladder None known.

Section 3. Composition/information on ingredients

Substance/mixture : RNA Pico Ladder Mixture

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

Section 4. First-aid measures

Description of necessary first aid measures

| | | |
|---------------------|-------------------|--|
| Eye contact | : 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 Ladder | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | : RNA Pico Ladder | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | : 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. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| | | |
|---------------------|-------------------|---|
| Eye contact | : RNA Pico Ladder | No known significant effects or critical hazards. |
| Inhalation | : RNA Pico Ladder | No known significant effects or critical hazards. |
| Skin contact | : RNA Pico Ladder | No known significant effects or critical hazards. |
| Ingestion | : RNA Pico Ladder | No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | | |
|---------------------|-------------------|-------------------|
| Eye contact | : RNA Pico Ladder | No specific data. |
| Inhalation | : RNA Pico Ladder | No specific data. |
| Skin contact | : RNA Pico Ladder | No specific data. |
| Ingestion | : RNA Pico Ladder | No specific data. |

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

| | | |
|-----------------------------------|-------------------|---|
| Notes to physician | : RNA Pico Ladder | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : RNA Pico Ladder | No specific treatment. |
| Protection of first-aiders | : 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

Extinguishing media

| | | |
|---------------------------------------|-------------------|---|
| Suitable extinguishing media | : RNA Pico Ladder | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : RNA Pico Ladder | None known. |

| | | |
|---|-------------------|---|
| Specific hazards arising from the chemical | : 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 Ladder | No specific data. |

Section 5. Fire-fighting measures

Special protective actions for fire-fighters : 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.

Special protective equipment for fire-fighters : 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

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : 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.

For emergency responders : RNA Pico Ladder

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".

Environmental precautions : RNA Pico Ladder

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).

Methods and materials for containment and cleaning up

Methods for cleaning up : 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

Precautions for safe handling

Protective measures : RNA Pico Ladder

Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : 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.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : RNA Pico Ladder

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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- 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 and safety characteristics

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

Appearance

| | | |
|---|-------------------|-----------------|
| Physical state | : RNA Pico Ladder | Liquid. |
| Color | : RNA Pico Ladder | Not available. |
| Odor | : RNA Pico Ladder | Not available. |
| Odor threshold | : RNA Pico Ladder | Not available. |
| pH | : RNA Pico Ladder | Not available. |
| Melting point/freezing point | : RNA Pico Ladder | 0°C (32°F) |
| Boiling point, initial boiling point, and boiling range | : RNA Pico Ladder | 100°C (212°F) |
| Flash point | : RNA Pico Ladder | Not available. |
| Evaporation rate | : RNA Pico Ladder | Not available. |
| Flammability | : RNA Pico Ladder | Not applicable. |
| Lower and upper explosion limit/flammability limit | : RNA Pico Ladder | Not available. |

| | | | | | | | | |
|----------------|---|------------------------|-------|-----|------------------------|--------|------|--------|
| Vapor pressure | : | Vapor Pressure at 20°C | | | Vapor pressure at 50°C | | | |
| | | Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method |
| | | RNA Pico Ladder | | | | | | |
| | | water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |

| | | |
|------------------------|-------------------|----------------|
| Relative vapor density | : RNA Pico Ladder | Not available. |
| Relative density | : RNA Pico Ladder | Not available. |

| | | | |
|-----------------|---|--------------------------|---------|
| Solubility(ies) | : | Media | Result |
| | | RNA Pico Ladder water | Soluble |

| | | |
|--|-------------------|-----------------|
| Partition coefficient: n-octanol/water | : RNA Pico Ladder | Not applicable. |
| Auto-ignition temperature | : Not available. | |
| Decomposition temperature | : RNA Pico Ladder | Not available. |
| Viscosity | : RNA Pico Ladder | Not available. |

Particle characteristics

| | | |
|----------------------|-------------------|-----------------|
| Median particle size | : RNA Pico Ladder | Not applicable. |
|----------------------|-------------------|-----------------|

Section 10. Stability and reactivity

| | | |
|------------------------------------|-------------------|--|
| Reactivity | : RNA Pico Ladder | No specific test data related to reactivity available for this product or its ingredients. |
| Chemical stability | : RNA Pico Ladder | The product is stable. |
| Possibility of hazardous reactions | : RNA Pico Ladder | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : RNA Pico Ladder | No specific data. |
| Incompatible materials | : RNA Pico Ladder | May react or be incompatible with oxidizing materials. |

Section 10. Stability and reactivity

Hazardous decomposition products : RNA Pico Ladder

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

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 the likely routes of exposure : RNA Pico Ladder

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact : RNA Pico Ladder

No known significant effects or critical hazards.

Inhalation : RNA Pico Ladder

No known significant effects or critical hazards.

Skin contact : RNA Pico Ladder

No known significant effects or critical hazards.

Ingestion : RNA Pico Ladder

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : RNA Pico Ladder

No specific data.

Inhalation : RNA Pico Ladder

No specific data.

Skin contact : RNA Pico Ladder

No specific data.

Ingestion : RNA Pico Ladder

No specific data.

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

Short term exposure

Section 11. Toxicological information

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

General : RNA Pico Ladder No known significant effects or critical hazards.

Carcinogenicity : RNA Pico Ladder No known significant effects or critical hazards.

Mutagenicity : RNA Pico Ladder No known significant effects or critical hazards.

Reproductive toxicity : RNA Pico Ladder No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

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

Section 13. Disposal considerations

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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / 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 IMO instruments : Not available.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

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

Canada : Not determined.

United States : All components are active or exempted.

Section 16. Other information

History

Date of issue/Date of revision : 01/30/2024

Date of previous issue : 11/11/2020

Version : 8

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HPR = Hazardous Products Regulations
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
UN = United Nations

Procedure used to derive the classification

Section 16. Other information

| Classification | Justification |
|-----------------|---------------|
| Not classified. | |

✔ Indicates information that has changed from previously issued version.

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