Conforms to Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals

# SAFETY DATA SHEET

Agilent Technologies

Agilent RNA 6000 Nano Ladder, Part Number 5067-1529

## Section 1. Identification

**Product identifier** : Agilent RNA 6000 Nano Ladder, Part Number 5067-1529

**Part no. (chemical kit)** : 5067-1529

**Part no.** : RNA 6000 Nano Ladder G2938-80038
RNA 6000 Nano Ladder Not available.

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

**Identified uses** : Analytical reagent.
For research use only.
RNA 6000 Nano Ladder 1 x 0.035 ml

**Uses advised against** : Not for use in diagnostic procedures (RUO).

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(61)-290372994

## Section 2. Hazard(s) identification

**Classification of the substance or mixture**

Not classified.

**GHS label elements**

**Signal word** : RNA 6000 Nano Ladder No signal word.

**Hazard statements** : RNA 6000 Nano Ladder No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : RNA 6000 Nano Ladder Not applicable.

**Response** : RNA 6000 Nano Ladder Not applicable.

**Storage** : RNA 6000 Nano Ladder Not applicable.

**Disposal** : RNA 6000 Nano Ladder Not applicable.

**Supplemental label elements**

**Additional warning phrases** : RNA 6000 Nano Ladder Not applicable.

**Other hazards which do not result in classification** : RNA 6000 Nano Ladder None known.

## Section 3. Composition and ingredient information

**Substance/mixture** : RNA 6000 Nano Ladder Mixture

**CAS number/other identifiers**

**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 3. Composition and ingredient information

**The total concentration of ingredients in this product, reported or not in this section, is 100%.**

# Section 4. First aid measures

## Description of necessary first aid measures

| | | | |
|---|---|---|---|
| **Eye contact** | : | RNA 6000 Nano 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 6000 Nano 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 6000 Nano Ladder | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| **Ingestion** | : | RNA 6000 Nano 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 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Inhalation** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Skin contact** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Ingestion** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |

### Over-exposure signs/symptoms

| | | | |
|---|---|---|---|
| **Eye contact** | : | RNA 6000 Nano Ladder | No specific data. |
| **Inhalation** | : | RNA 6000 Nano Ladder | No specific data. |
| **Skin contact** | : | RNA 6000 Nano Ladder | No specific data. |
| **Ingestion** | : | RNA 6000 Nano Ladder | No specific data. |

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

| | | | |
|---|---|---|---|
| **Notes to physician** | : | RNA 6000 Nano Ladder | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| **Specific treatments** | : | RNA 6000 Nano Ladder | No specific treatment. |
| **Protection of first-aiders** | : | RNA 6000 Nano Ladder | No action shall be taken involving any personal risk or without suitable training. |

**See toxicological information (Section 11)**

# Section 5. Firefighting measures

## Extinguishing media

| | | | |
|---|---|---|---|
| **Suitable extinguishing media** | : | RNA 6000 Nano Ladder | Use an extinguishing agent suitable for the surrounding fire. |
| **Unsuitable extinguishing media** | : | RNA 6000 Nano Ladder | None known. |
| **Specific hazards arising from the chemical** | : | RNA 6000 Nano Ladder | In a fire or if heated, a pressure increase will occur and the container may burst. |
| **Hazardous thermal decomposition products** | : | RNA 6000 Nano Ladder | No specific data. |

## Section 5. Firefighting measures

| | | |
|---|---|---|
| **Special protective actions for fire-fighters** | : RNA 6000 Nano 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 6000 Nano 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 6000 Nano 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. |
| **For emergency responders** | : RNA 6000 Nano 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". |
| **Environmental precautions** | : RNA 6000 Nano 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). |

**Methods and material for containment and cleaning up**

| | | |
|---|---|---|
| **Methods for cleaning up** | : RNA 6000 Nano 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 6000 Nano Ladder | Put on appropriate personal protective equipment (see Section 8). |
| **Advice on general occupational hygiene** | : RNA 6000 Nano 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. |
| **Conditions for safe storage, including any incompatibilities** | : RNA 6000 Nano 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 unlabelled containers. Use appropriate containment to avoid |

# Section 7. Handling and storage

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

# Section 8. Exposure controls and 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 6000 Nano Ladder | Liquid. |
| **Colour** | : | RNA 6000 Nano Ladder | Not available. |
| **Odour** | : | RNA 6000 Nano Ladder | Not available. |
| **Odour threshold** | : | RNA 6000 Nano Ladder | Not available. |
| **pH** | : | RNA 6000 Nano Ladder | Not available. |

# Section 9. Physical and chemical properties and safety characteristics

**Melting point/freezing point** : RNA 6000 Nano Ladder 0°C (32°F)

**Boiling point, initial boiling point, and boiling range** : RNA 6000 Nano Ladder 100°C (212°F)

**Flash point** : RNA 6000 Nano Ladder Not available.

**Evaporation rate** : RNA 6000 Nano Ladder Not available.

**Flammability** : RNA 6000 Nano Ladder Not applicable.

**Lower and upper explosion limit/flammability limit** : RNA 6000 Nano Ladder Not available.

**Vapour pressure** :

| Ingredient name | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | | |
|---|---|---|---|---|---|---|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
| **RNA 6000 Nano Ladder** | | | | | | |
| water | 23.8 | 3.2 | | 92.258 | 12.3 | |

**Relative vapour density** : RNA 6000 Nano Ladder Not available.

**Relative density** : RNA 6000 Nano Ladder Not available.

**Solubility(ies)** :

| Media | Result |
|---|---|
| **RNA 6000 Nano Ladder** water | Soluble |

**Partition coefficient: n-octanol/water** : RNA 6000 Nano Ladder Not applicable.

**Auto-ignition temperature** : RNA 6000 Nano Ladder Not available.

**Decomposition temperature** : RNA 6000 Nano Ladder Not available.

**Viscosity** : RNA 6000 Nano Ladder Not available.

**Particle characteristics**

**Median particle size** : RNA 6000 Nano Ladder Not applicable.

# Section 10. Stability and reactivity

**Reactivity** : RNA 6000 Nano Ladder No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : RNA 6000 Nano Ladder The product is stable.

**Possibility of hazardous reactions** : RNA 6000 Nano Ladder Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : RNA 6000 Nano Ladder No specific data.

**Incompatible materials** : RNA 6000 Nano Ladder May react or be incompatible with oxidising materials.

**Hazardous decomposition products** : RNA 6000 Nano 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.

### Sensitisation

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 6000 Nano Ladder | Not available. |

### Potential acute health effects

| | | | |
|---|---|---|---|
| **Eye contact** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Inhalation** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Skin contact** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Ingestion** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |

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

| | | | |
|---|---|---|---|
| **Eye contact** | : | RNA 6000 Nano Ladder | No specific data. |
| **Inhalation** | : | RNA 6000 Nano Ladder | No specific data. |
| **Skin contact** | : | RNA 6000 Nano Ladder | No specific data. |
| **Ingestion** | : | RNA 6000 Nano 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

| | | | |
|---|---|---|---|
| **General** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |

# Section 11. Toxicological information

| | | | |
|---|---|---|---|
| **Carcinogenicity** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Mutagenicity** | : | RNA 6000 Nano Ladder | No known significant effects or critical hazards. |
| **Reproductive toxicity** | : | RNA 6000 Nano 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 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. 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

**ADG / IMDG / IATA** : Not regulated as Dangerous Goods according to the ADG Code .

**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

## Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

## Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

## 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

| | | |
|---|---|---|
| **Australia** | : | Not determined. |
| **Canada** | : | Not determined. |
| **China** | : | All components are listed or exempted. |
| **Eurasian Economic Union** | : | **Russian Federation inventory**: Not determined. |
| **Japan** | : | **Japan inventory (CSCL)**: Not determined.<br>**Japan inventory (ISHL)**: All components are listed or exempted. |
| **New Zealand** | : | Not determined. |
| **Philippines** | : | Not determined. |
| **Republic of Korea** | : | Not determined. |
| **Taiwan** | : | All components are listed or exempted. |
| **Thailand** | : | Not determined. |
| **Turkey** | : | Not determined. |
| **United States** | : | All components are active or exempted. |
| **Viet Nam** | : | Not determined. |

# Section 16. Any other relevant information

## History

| | | |
|---|---|---|
| **Date of issue/Date of revision** | : | 21/03/2023 |
| **Date of previous issue** | : | 24/02/2020 |
| **Version** | : | 8 |
| **Key to abbreviations** | : | ADG = Australian Dangerous Goods<br>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road<br>ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Intermediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available |

# Section 16. Any other relevant information

SUSMP = Standard Uniform Schedule of Medicine and Poisons
UN = United Nations

## Procedure used to derive the classification

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

**Indicates information that has changed from previously issued version.**

## Notice to reader

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