

# Safety Data Sheet

Version No: 1.3

Revision Date: 07 Dec 2021

## SARS-CoV-2 RT-PCR Multiplex Diagnostic Kit

### 1. Product and Company Identification

|                                   |   |   |
|-----------------------------------|---|---|
| <b>Product name</b>               | : | SARS-CoV-2 RT_PCR Multiplex Diagnostic Kit  |
| <b>Product code</b>               | : | NAT-01  |
| <b>Other names</b>                | : | NA  |
| <b>Material uses</b>              | : | In vitro diagnostic agent   |
| <b>Supplier/Manufacturer</b>      | : | HA TECH PTY LTD<br>31/11-13 Brookhollow Avenue<br>Norwest Business Park<br>Baulkham Hills 2153<br>Australia<br>Telephone 61 (0) 404631485<br>info@ha-tech-ltd.com |
| <b>Tech Support</b>               | : | info@ha-tech-ltd.com  |
| <b>Emergency telephone number</b> | : | 13 11 26 (Poisons Information Centre, Australia)  |
| <b>Product type</b>               | : | RT-PCR Diagnostic kit   |

### 2. Hazards identification

|  |   |  |
|--|---|--|
| <b>Hazard Classification</b>                   | : | Not a hazardous substance or mixture<br>Hazards not otherwise classified (HNOC): Not applicable  |
| <b>Statement of hazardous/dangerous nature</b> | : | Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)<br>NON-DANGEROUS GOODS.   |
| <b>Biological safety</b>                       | : | There are no tissues, tissue derivatives, cells or substances of Recombinant origin. There are substances of microbial origin that have been processed to ensure the highest standards of safety. However, all biological material should be treated as potentially infectious and appropriate handling and disposal methods followed. |

### 3. Composition/information on ingredients

| Kit component       | Chemical/ Nucleic Acid compounds              | CAS number                        | Proportion, % |
|---------------------|---|-----------------------------------|---------------|
| RT-PCR Reaction Mix | Master Mix, Enzyme Mix and Potassium Chloride | 7447-40-7<br>(Potassium Chloride) | 35-40         |
| Multiplex Mix       | Oligonucleotide                               | Not applicable                    | 15-16         |
| Positive Control    | SARS-Cov-2 RNA Control (deactivated)          | Not applicable                    | < 5           |
| Negative Control    | Nuclease Free Water                           | Not applicable                    | 35-40         |

\* Other ingredients, determined not to be hazardous according to NOHSC criteria

### 4. First-aid measures

- Eyes** : Immediately flush eyes with plenty of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with clean fingers. Get medical attention if irritation occurs.
- Skin** : In case of contact promptly wash exposed areas thoroughly with soap and water. Obtain medical attention if irritation develops.
- Ingestion** : Rinse mouth with plenty of water. Do not give anything by mouth to an unconscious person
- Inhalation** : Remove individual to fresh air. Obtain medical attention if breathing becomes difficult.

### 5. Fire-fighting measures

- Extinguishing media** : Use any extinguishing agent suitable for the surrounding fire
- Hazard from combustion products** : Hazardous combustion gases or vapours possible
- Firefighting instructions** : Wear self-contained breathing apparatus and protective clothing suitable for fighting a typical fire involving chemical reagents

### 6. Accidental release measures

- Methods for cleaning up** : Wear personal protective equipment as specified in section 8. Clean up spills in a manner that does not create aerosols. Contain the spill and absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

|                 |   |  |
|-----------------|---|--|
| <b>Handling</b> | : | Avoid contact with eyes, skin and clothing. Wear protective clothing, chemical safety glasses and disposable gloves (latex/non-latex) when using this product. Wash hands after handling this product. |
| <b>Storage</b>  | : | Store at -20°C   |

## 8. Exposure controls/personal protection

|                                      |   |  |
|--------------------------------------|---|--|
| <b>Exposure limits</b>               | : | Not applicable   |
| <b>Biological limit values</b>       | : | Not applicable   |
| <b>Engineering controls</b>          | : | Showers, Eyewash stations and ventilation systems                            |
| <b>Personal protective equipment</b> | : | Protective clothing, safety glasses and protective gloves (latex, non-latex) |

## 9. Physical and chemical properties

|                               |   |  |
|-------------------------------|---|--|
| <b>Physical state</b>         | : | liquids                                |
| <b>Odour</b>                  | : | No data available                      |
| <b>pH</b>                     | : | No data available                      |
| <b>Vapour pressure</b>        | : | No data available                      |
| <b>Vapour density</b>         | : | No data available                      |
| <b>Boiling point/range</b>    | : | No data available                      |
| <b>Freezing/melting point</b> | : | No data available                      |
| <b>Solubility</b>             | : | All components are miscible with water |
| <b>Specific gravity</b>       | : | No data available                      |

## 10. Stability and reactivity

|   |   |   |
|---|---|---|
| <b>Chemical stability</b>               | : | Kit components are stable under recommended storage condition   |
| <b>Incompatible Materials</b>           | : | Strong oxidizing agents   |
| <b>Hazardous decomposition products</b> | : | Hazardous decomposition products formed under fire conditions.<br>- Nature of decomposition products not known. |
| <b>Hazardous reaction</b>               | : | Will not occur under normal processing condition.   |

## 11. Toxicological information

Specific toxicological data on this product is not available.

## 12. Ecological information

|   |   |  |
|---|---|--|
| <b>Exotoxicity</b>                        | : | No data available  |
| <b>Persistence and degradability</b>      | : | No data available  |
| <b>Mobility</b>                           | : | Specific data not available for this product   |
| <b>Results of PBT and vPvB Assessment</b> | : | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted |

## 13. Disposal considerations

**Methods of disposal** : Treat as potentially infectious.  
Dispose of waste and unused product in compliance with federal, state and local regulations  
It is the responsibility of the user to classify the waste prior to disposal. Disposal into drains is to be discouraged and is not recommended as good laboratory practice.

## 14. Transport information

**Special requirements** : The shipment temperature must be at -20°C.

## 15. Regulatory information

**Regulatory information** : All kit components:  
Not classified as Dangerous Goods according to the ADG  
Not classified as Hazardous according to criteria of the NOHSC  
Not classified as a Scheduled Poison according to SUSDP

## 16. Other information

**Date of preparation of this SDS** : 21 Dec 2020

**Acronyms** :

|       |   |
|-------|---|
| ADG   | Australian Code for the Transport of Dangerous Goods by Road and Rail |
| CAS   | Chemical Abstracts Service (registry number)                          |
| NOHSC | National Occupational Health and Safety Commission                    |
| SUSDP | Standard for the Uniform Scheduling of Drugs and Poisons              |
| HNOC  | Hazard Not Otherwise Classified                                       |

**Other** : Please read all labels and information provided with the product carefully before using this product

### Note

The information provided in this Safety Data Sheet is believed to be correct at the date of preparation but does not claim to be all inclusive. It is provided with the intention of allowing proper and safe use, storage and disposal of the product. It is not a warranty or specification of product quality. HA TECH PTY LTD shall not be held liable for any damage resulting from handling or from contact with the above product. Refer to [www.ha-tech-ltd.com](http://www.ha-tech-ltd.com) and the invoice for additional terms and conditions of sale.

**End of Safety Data Sheet**