

# Safety Data Sheet (SDS)

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**COMPANY ADDRESS:**

Haven Scientific

King Abdullah University of Science and Technology (KAUST) Thuwal 23955, Saudi Arabia.

**EMERGENCY TELEPHONE NUMBERS:** (966) 59 121-4477 (Mr. Bilal)

**PRODUCT NAME** : RT Ace cDNA Synthesis Kit (100 rxns)

**PRODUCT CODE** : PCR3105

**PRODUCT USE** : For research use only. Not intended for human or animal diagnostic uses.

## SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

**GHS Classification**

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

**Label elements**

Not applicable

**Other hazards which do not result in classification**

Not applicable

## SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

| Chemical name | CAS No  | EINECS No | Common Name    | Weight % |
|---------------|---------|-----------|----------------|----------|
| Glycerol      | 56-81-5 | 200-289-5 | Not applicable | 20-80    |

We recommend handling all chemicals with caution.

## SECTION 4 - FIRST AID MEASURES

**Skin contact** Rinse skin with water. Immediate medical attention is not required.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion** Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

**Inhalation** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Notes to Physician** Treat symptomatically.

**Most important symptoms and effects, both acute and delayed**

Not Applicable

**Indication of any immediate medical attention and special treatment needed**

None.

## SECTION 5 - FIRE FIGHTING MEASURES

**Extinguishing media**
**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Drychemical.

**Unsuitable extinguishing media** No information available.

**Special hazards arising from the substance or mixture**

Not known

**Advice for firefighters**

Standard procedure for chemical fires

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Always wear recommended Personal Protective Equipment

Use personal protection equipment

**Environmental precautions**

No special environmental precautions required.

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

Soak up with inert absorbent material.

**SECTION 7 - HANDLING AND STORAGE****Precautions for safe handling**

Use personal protective equipment as required. No special handling advices are necessary.

**Conditions for safe storage, including any incompatibilities.**

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

**Storage Conditions**

Store at -25 °C to -15 °C.

**Specific end use(s)**

For research use only. Not for use in diagnostic procedures

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION****Control parameters****Exposure Limits** Contains no substances with occupational exposure limit values

| Chemical Name | OSHA PEL                                    | OSHA PEL (Ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|---------------|---|--------------------|-----------------|------------------|
| Glycerol      | 15 mg/m <sup>3</sup><br>5 mg/m <sup>3</sup> | None               | None            | None             |

| Chemical Name | Brazil - OEL - TWAs (LTs) | Brazil - OEL - Ceilings | Brazil - OEL - Skin Designations |
|---------------|---------------------------|-------------------------|----------------------------------|
| Glycerol      | None                      | None                    | None                             |

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Exposure controls****Personal Protective Equipment****Respiratory protection** In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.**Hand protection** Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.**Eye protection** Tight sealing safety goggles.**Skin and Body Protection** Wear suitable protective clothing.**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice**Environmental exposure controls**

No special environmental precautions required.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Liquid  
**Color:** Colorless  
**Odor:** Odorless  
**pH:** Not available  
**Melting Point:** Not available  
**Boiling Point:** Not available  
**Flash Point:** Not available  
**Evaporation Rate:** Not available  
**Flammability:** Not available  
**Vapor Pressure:** Not available  
**Vapor Density:** Not available  
**Special gravity:** Not available  
**Solubility:** Not available  
**Decomposition Temperature:** Not available  
**Viscosity:** Not available

**SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity** No further relevant information available.

**Chemical stability**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11 - TOXICOLOGICAL INFORMATION****Information on toxicological effects**

There is no evidence available indicating acute toxicity.

| Chemical Name | Oral LD50          | Dermal LD50       | Inhalation LC50 |
|---------------|--------------------|-------------------|-----------------|
| Glycerol      | = 12600 mg/kg Oral | > 10 g/kg(Rabbit) | >2.75mg/L(Rat)  |

Acute toxicity data from similar formulation

**ACUTE TOXICITY:****PRODUCT:**

Acute oral toxicity: Not available

Acute inhalation toxicity: Not available

Acute dermal toxicity: Not available

**INGREDIENTS:**

Specific test data for the substance or mixture is not available.

**SKIN CORROSION / IRRITATION:**

**Product:** Based on available data, the classification criteria are not met

**SERIOUS EYE DAMAGE / EYE IRRITATION**

**Product:** Based on available data, the classification criteria are not met

**GERM CELL MUTAGENICITY:** Not available

**CARCINOGENICITY:** Not available

**REPRODUCTIVE TOXICITY:** Not available

**STOT-SINGE EXPOSURE:** Not available

**STOT-REPEATED EXPOSURE:** Not available

**ASPIRATION TOXICITY:** Not available

**FURTHER INFORMATION:** Not available

## **SECTION 12 - ECOLOGICAL INFORMATION**

### **Toxicity**

#### **Aquatic toxicity:**

Not available

No further relevant information available.

#### **Persistence and degradability**

Not available

No further relevant information available.

#### **Bioaccumulative potential**

Not known

No further relevant information available.

**Mobility in soil** No further relevant information available.

#### **Ecotoxicological effects:**

**Remark:** Not available

#### **Additional ecological information:**

**General notes:** Not known to be hazardous to water.

#### **Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

### **Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## **SECTION 14 - TRANSPORT INFORMATION**

**DOT (US):** Not regulated as dangerous good.

**UNRTG:** Not regulated as dangerous good.

**IATA:** Not regulated as dangerous good.

**IMDG:** Not regulated as dangerous good.

## **SECTION 15 - REGULATORY INFORMATION**

| <b>Component</b>              | <b>US TSCA</b> |
|-------------------------------|----------------|
| Glycerol<br>56-81-5 ( 20-80 ) | Listed         |

### **US Federal Regulations**

#### **SARA 313**

This product is not regulated by SARA.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs

### **US State Regulations**

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| Chemical Name | Massachusetts -<br>RTK<br>(Right-to-Know) | New Jersey - RTK<br>(Right-to-Know) | Pennsylvania -<br>RTK(Right-to-Know) |
|---------------|---|-------------------------------------|--------------------------------------|
| Glycerol      | Listed                                    | Listed                              | Listed                               |

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**WHMIS Hazard Class**

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR)and the SDS contains all the information required by the CPR.

**National Regulations - Brazil**

Not regulated

### SECTION 16 - OTHER INFORMATION

The above information contained in this Material Safety Data Sheet is correct to the best of our knowledge and belief at the date of publication. The information provided is only designed as a guide for safe handling, handling, use, transportation, storage, disposal and release. This information is not to be considered a guarantee or a quality specification. The information relates only to the specific materials and may not be valid for such materials used with any other materials or in any process, unless stated so in the text.

**END OF SAFETY DATA SHEET**

**DATE:** Oct, 2023