
Material Safety Data Sheet

Revision Date: 20-Mar-2020



Product and Company Information

Product Name	<i>TransScript</i> [®] II Multiplex Probe One-Step qRT-PCR SuperMix UDG
Cat. No.	AQ322
Company	TransGen Biotech Co., Ltd.
Street:	No. 1 North Yongtaizhuang Road
Place:	Haidian District, Beijing, China
Technical Phone	+86-10-57815027
Fax	+86-10-57815011
E-mail Address	trans@transgen.com.cn
Internet:	www.transgenbiotech.com

The following TransGen products are included:

TransScript[®] II Multiplex Probe One-Step RT/RI Enzyme Mix

2×*PerfectStart*[™] Multiplex Probe One-Step qPCR SuperMix UDG

Passive Reference Dye (50×)

RNase-free Water

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

Relevant identified uses

For research use only. Not for use in diagnostic procedures.

Uses advised against

Not for consumer use.

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1. Product and Company Information

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2. Hazards Identification

Australian SDS Statement Not classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

GHS - Classification

Health hazards

Not classified

Physical hazards

Not classified

Environmental hazards

Not classified

Label elements

Signal Word

None

Hazard pictograms

None

Hazard pictograms names

None

Hazard Statements

Not Applicable

Precautionary Statements

Prevention

Not Applicable

Response

Not Applicable

Storage

Not Applicable

Disposal

Not Applicable

Other hazardsNot Applicable

3. Composition/information on ingredients

This kit consist of Hazardous/Non-hazardous Components

Component	CAS No	Common name	EINECS-No.	Weight-%
Glycerin 56-81-5 (10-30)	56-81-5	-	200-289-5	10-30

We recommend handling all chemicals with caution.

4. First Aid Measures**Description of first aid measures****Skin contact****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 PhysicianTreat symptomatically

Most important symptoms and effects, both acute and delayed

Not Applicable

Indication of any immediate medical attention and special treatment needed

None.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media No information available.

Special hazards arising from the substance or mixture

Not known.

Protective equipment and precautions for firefighters

Standard procedure for chemical fires.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Always wear recommended Personal Protective Equipment

Use personal protection equipment

See Section 8 for more detail.

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Soak up with inert absorbent material.

Reference to other sections

See section 8 for more information.

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 labelled containers.

Specific end use(s) For research use only. Not for use in diagnostic procedures.

8. Exposure controls/personal protection

Control parameters

Chemical Name	China OEL (MAC)	China - Skin Absorbers
Glycerin 56-81-5	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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	liquid	
Odour	No data available	
Odour Threshold	No data	
Molecular Weight	No data	
Melting point / melting range	°C No data	°F No data
Boiling point / boiling range	°C No data	°F No data
Flash point	°C No data	°F No data
Autoignition Temperature	°C No data	°F No data
Decomposition temperature	°C No data	°F No data
Evaporation rate	No data	
Flammability (solid, gas)	No data available	
Upper explosion limit	No data	

Lower explosion limit	No data
Vapour Pressure	No data
Vapour density	No data
Relative density	No data
Specific gravity	No data
Solubility	No data available
Partition coefficient:	No data available
n-octanol/water Viscosity	No data
Explosive properties	No data
Oxidising properties	No data

Other information

No data available

10. Stability and reactivity

Reactivity	None known.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous reaction has not been reported.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No data available.

11. Toxicological information

Information on toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerin	= 12600 mg/kg (Rat)	No data available	>570 mg/m ³ (Rat)

Principal Routes of Exposure

Acute toxicity	Data are conclusive but insufficient for classification
Skin corrosion/irritation	Data are conclusive but insufficient for classification
Serious eye damage/irritation	Data are conclusive but insufficient for classification
Respiratory or skin sensitization	Data are conclusive but insufficient for classification
Specific target organ toxicity (STOT) – single exposure	Data are conclusive but insufficient for classification
Specific target organ toxicity (STOT) – repeated exposure	Data are conclusive but insufficient for classification

Carcinogenicity	Data are conclusive but insufficient for classification
Germ cell mutagenicity	Data are conclusive but insufficient for classification
Reproductive toxicity	Data are conclusive but insufficient for classification
Aspiration hazard	Data are conclusive but insufficient for classification

12. Ecological information

Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox Data	log Pow
Glycerin	No data available	Daphnia magna EC50>500 mg/L (24 h)	No data available	No data available	logPow-1.76

Mobility in soil No information available.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects No information available.

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.

14. Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

UN number Not Applicable

UN proper shipping name Not Applicable

Transport hazard class(es) Not Applicable

Packing group Not Applicable

Environmental hazards

Not Applicable

Special precautions for user

Not Applicable

Transport in bulk according to Annex II of MARPOL and the IBC Code

15. Regulatory Information

International Inventories	For research use only
National regulatory information	

16. Other Information

Revision date 20-Mar-2020
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End of Safety Data Sheet