

Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

Safety Data Sheet

Prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200.

1. IDENTIFICATION

1.1. Product identifier

Component: Stop-Start RT Enzyme

Application of the substance or mixture: For laboratory use.

1.2. Supplier

Aldatu Biosciences
313 Pleasant Street,
1st Floor West
Watertown, MA 02472
(+1) 978-709-1812 or (+1) 978-705-1036

1.3. Manufacturer

Aldatu Biosciences
313 Pleasant Street,
1st Floor West
Watertown, MA 02472
(+1) 978-709-1812 or (+1) 978-705-1036

1.4. Contact

support@aldatubio.com

1.5. Emergency telephone number

(+1) 978-709-1812 or (+1) 978-705-1036

2. HAZARD(S) IDENTIFICATION

2.1. Classification of substance or mixture

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

2.2. Label elements

- **GHS label elements:** Not applicable.
- **Hazard pictograms:** Not applicable.
- **Signal word:** Not applicable.
- **Hazard statements:** Not applicable.

2.3. Classification system

Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

NFPA ratings (scale 0 – 4)

Health = 0
 Fire = 1
 Reactivity = 0

HMIS ratings (scale 0 – 4)

Health = 1
 Fire = 1
 Reactivity = 0
 Target Organ(s): May cause kidney damage (Nephrotoxin).

2.4. OSHA regulatory status

Not applicable.

2.5. Other hazards

This product is not classified as PBT or vPvB according to current EU criteria.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Description: The product is made up of a mixture of hazardous and non-hazardous components. The exact concentration percentages and components name may be withheld as a Aldatu Bioscience trade secret in accordance with 29 CFR 1910.1200(i).

Dangerous components: 56-81-5 glycerol 50-75%

4. FIRST-AID MEASURES

4.1. Description of first aid measures

- General information** No special measures required. When in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
- Skin contact** Rinse skin with water.
- Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion** Rinse mouth thoroughly with water. If you feel unwell or are concerned, seek medical advice. Do not induce vomiting unless under the direction of medical personnel.
- Inhalation** If you feel unwell or are concerned, seek medical advice.
- Notes for physician** Treat symptomatically.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

- Skin contact** Prolonged contact may cause dryness of the skin.
- Eye contact** No specific symptoms known. May be slightly irritating to eyes.
- Ingestion** No specific symptoms known.
- Inhalation** No specific symptoms known.

4.3. Indication of any immediate medical attention and special treatment needed

None.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. See Section 8 for more information.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Wear protective clothing as described in Section 8. Clear up spills immediately using inert absorbent material and dispose of waste safely.

6.4. Reference to other sections

- See Section 7 for information on safe handling.
- See Section 11 for additional information on health hazards.
- See Section 12 for additional information on ecological hazards.
- See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

Use personal protective equipment as described in Section 8. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Information about protection against explosions and fires

No special measures required.

7.3. Conditions for safe storage, including any incompatibilities

Store in a cool location.

7.4. Specific end use(s)

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits	56-81-5 glycerol	
	PEL	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
	TLV	TLV withdrawn-insufficient data human occup. exp.
Engineering measures	Ensure adequate ventilation, especially in confined areas.	

8.2. Exposure controls

8.2.1. Personal protective equipment

General protective and hygienic measures	The usual precautionary measures for handling chemicals should be followed and in accordance with good industrial hygiene and safety practices.
Respiratory protection	In instances of insufficient ventilation, wear respirators and components tested and approved under appropriate government standards.
Eye protection	Not required.
Hand protection	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.
Skin and body protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Color	Colorless.

Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

Odor	No data available.
Odor threshold	No data available.
pH	No data available.
Melting point / melting range	No data available.
Boiling point / boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	Not relevant (fluid).
Explosive properties	Not considered to be explosive.
Explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility	Fully soluble in water.
Partition coefficient: n-octanol/water	No data available.
Autoignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

10. STABILITY AND REACTIVITY

Reactivity	No further relevant information available.
Chemical stability	Stable under normal conditions and when used as recommended.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

There is no evidence available indicating acute toxicity / based on available data the classification criteria are not met. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to Aldatu Biosciences.

11.2. Principal Routes of Exposure

Acute toxicity	Data are conclusive but insufficient for classification.
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Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

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.
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

12.1. Ecotoxicity

Contains no substances known to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

Mobility in soil	No information available.
Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable.
General notes	No information available.
Other adverse effects	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. 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 in according to 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

14.1. IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations.

UN number	Not hazardous for transportation.
UN proper shipping name	Not applicable.

Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

Transport hazard class(es) Not applicable.

Packing group Not applicable.

14.2. Environmental hazards

Not hazardous.

14.3. Marine pollutant

No.

14.4. Special precautions for user

Not applicable.

14.5. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

15.1. US Federal regulations

Superfund Amendments and Reauthorization Act (SARA)

None of the ingredients are listed.

TSCA (Toxic Substances Control Act) Inventory

56-81-5 glycerol

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

This product does not contain HAPs.

15.2. US State regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

15.3. WHMIS hazard class

Non-controlled.

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) / WHMIS 2015 and the SDS contains all the required information.

GHS label elements: Not applicable

Signal word: Not applicable

Hazard regulations: Not applicable

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Title: Stop-Start RT Enzyme - Safety Data Sheet	
Date: 04 June 2026	
Doc. No: ABIO-QMS-SDS-0056	REV: 0

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16.1. Department issuing SDS

Aldatu Biosciences
313 Pleasant Street,
1st Floor West
Watertown, MA 02472
(+1) 978-709-1812 or (+1) 978-705-1036

16.2. Document information

Date of Preparation / Last Revision: 04 Jun 2026
Revision Number: 0

16.3. Abbreviations and acronyms:

- **ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
- **CFR:** Code of Federal Regulations (US).
- **CPR:** Controlled Products Regulations (Canada).
- **DOT-US:** Department of Transportation (US).
- **GHS:** Globally Harmonized System.
- **HAP:** Hazardous Air Pollutant.
- **IATA:** International Air Transport Association.
- **IBC:** International Building Code.
- **IMDG:** International Maritime Code for Dangerous Goods.
- **MARPOL:** International Convention for the Prevention of Pollution from Ships.
- **MSDS:** Material Safety Data Sheet.
- **OSHA:** Occupational Safety and Health Administration of the US Department of Labor.
- **PBT:** Persistent, Bioaccumulative and Toxic.
- **SARA:** Superfund Amendments and Reauthorization Act (US).
- **SDS:** Safety Data Sheet.
- **UN:** United Nations.
- **US:** United States.
- **vPvB:** very Persistent and very Bioaccumulative.
- **WHMIS:** Workplace Hazardous Materials Information System.