



Safety Data Sheet

RT/ HotStar Taq Mix

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: RT/ HotStar Taq Mix

Catalogue number of the product: SM307-1000A, SM307-0100A

Use of the preparation:

For laboratory use.

Company identification:

Simply Biologics, Inc.

Site: <http://www.simplybiologics.com>

2. Hazards identification

GHS - Classification

Signal Word None

Health hazards Not classified

Physical hazards Not classified

Hazard Statements Not Applicable

Prevention Not Applicable

Response Not Applicable

Storage Not Applicable

Disposal Not Applicable

Precautionary Statements Not Applicable

Principle Routes of Exposure

Potential Health Effects

Eyes May cause eye irritation with susceptible persons.

Skin May cause skin irritation in susceptible persons.

Inhalation May be harmful by inhalation.

Ingestion May be harmful if swallowed.

Specific effects

Carcinogenic effects None.

Mutagenic effects None.

Reproductive toxicity None.

Sensitization None.

Target Organ Effects No known effects under normal use conditions.

HMIS

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| Health | 0 |
| Flammability | 0 |
| Reactivity | 0 |

3. COMPOSITION/ INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

We recommend handling all chemicals with caution.

4. First aid measures

Description of first aid measures

Skin contact Rinse with plenty of 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.



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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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits Contains no substances with occupational exposure limit values.

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

pH No data available

Melting point / melting range °C Mixture has not been tested °F Mixture has not been tested

Boiling point / boiling range °C Mixture has not been tested °F Mixture has not been tested



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| Flash point | °C Mixture has not been tested | °F Mixture has not been tested |
| Autoignition Temperature | °C Mixture has not been tested | °F Mixture has not been tested |
| Decomposition temperature | °C Mixture has not been tested | °F Mixture has not been tested |
| Evaporation rate | No data | |
| Flammability (solid, gas) | No data available | |
| Upper explosion limit | Mixture has not been tested | |
| Lower explosion limit | Mixture has not been tested | |
| Vapour Pressure | Mixture has not been tested | |
| Relative density | Mixture has not been tested | |
| Specific gravity | No data | |
| Solubility | No data available | |
| Partition coefficient | No data available | |
| n-octanol/water | | |
| Viscosity | No data | |
| Explosive properties | Mixture has not been tested | |
| Oxidising properties | No data | |
| Other information | No data available. | |

10. STABILITY AND REACTIVITY

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| 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

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| Information on toxicological effects | |
| There is no evidence available indicating acute toxicity. | |
| Principal Routes of Exposure | |
| Skin corrosion/irritation | Conclusive but not sufficient for classification |
| Serious eye damage/irritation | Conclusive but not sufficient for classification |
| Respiratory or skin sensitization | Conclusive but not sufficient for classification |
| Specific target organ toxicity (STOT)—single exposure | Conclusive but not sufficient for classification |
| Specific target organ toxicity (STOT)—repeated exposure | Conclusive but not sufficient for classification |
| Carcinogenicity | Conclusive but not sufficient for classification |
| Germ cell mutagenicity | Conclusive but not sufficient for classification |
| Reproductive toxicity | Conclusive but not sufficient for classification |
| Aspiration hazard | Conclusive but not sufficient for classification |

12. ECOLOGICAL INFORMATION

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| Toxicity | |
| Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. | |
| 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 according to approved disposal technique.



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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 Not Applicable

15. REGULATORY INFORMATION

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

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.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Simply Biologics, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.