



Safety Data Sheet

amaR 2X PCR Mix

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

Preparation Name: amaR 2X PCR Mix
 Catalogue number of the product: SM217-0250, SM217-0010
 Use of the preparation:
 For laboratory use.
 Company identification:
 Simply Biologics, Inc.
 Website: www.simplybiologics.com

2. Hazards identification

GHS - Classification
 Signal Word None
 Hazard Statements Not Applicable
 Health hazards Not classified
 Physical hazards Not Hazardous
 Environmental hazards Not Hazardous
 Hazard Statements Not Applicable

Precautionary Statements
 Prevention Not Applicable
 Response Not Applicable
 Storage Not Applicable
 Disposal Not Applicable
 Other hazards Not Applicable

HMIS

Health	0
Flammability	0
Reactivity	0

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS No	EINECS-No	Weight %
Glycerol 56-81-5 (10-30)	56-81-5	200-289-5	10-30

We recommend handling all chemicals with caution.

4. First aid measures

Skin contact Rinse with plenty of water. If symptoms arise, call a physician.
 Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Ingestion Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you experience symptoms, consult a physician.
 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

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.
 Advice for fire-fighters Standard procedure for chemical fires.



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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. .

Conditions for safe storage, including any incompatibilities

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

Specific end use(s) For in vitro diagnostic use.

8. Exposure controls/personal protection

Control parameters

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Glycerol	15 mg/m ³ 5 mg/m ³	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.

9. Physical and chemical properties

General information

Appearance

Liquid

Odor

No information available

pH

Mixture has not been tested

Boiling point / boiling range

°C >100 °F >212

Melting point / melting range

°C >0 °F >32

Flash point

°C >90 °F>160

Autoignition Temperature

°C No Mixture has not been tested °F No Mixture has not been tested

Decomposition temperature

°C Mixture has not been tested °F Mixture has not been tested

Evaporation rate

No data available

Flammability (solid, gas)

No data available

Upper explosion limit

Mixture has not been tested

Lower explosion limit

Mixture has not been tested

Vapor Pressure

Mixture has not been tested

Relative density

Mixture has not been tested

Specific gravity

No data available

Solubility

Soluble in water



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Partition coefficient: No data available
 n-octanol/water
 Explosive properties: Mixture has not been tested
 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: None under normal processing.
 Incompatible materials: Strong acids. Oxidizing agents. Acetic anhydride. Isocyanates. Ammonia. Bases
 Hazardous decomposition products: Carbon oxides.

11. Toxicological information

Information on toxicological effects

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Glycerol	= 12600 mg/kg Oral	No data available	>570mg/m ³ (Rat)

Principal Routes of Exposure

Irritation: Conclusive but not sufficient for classification
 Corrosivity: Conclusive but not sufficient for classification
 Sensitization: Conclusive but not sufficient for classification
 STOT - Single Exposure: Conclusive but not sufficient for classification
 STOT - Repeated Exposure: Conclusive but not sufficient for classification
 Carcinogenicity: Conclusive but not sufficient for classification
 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

Toxicity: The environmental impact of this product has not been fully investigated.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Glycerol	No data available	Daphnia magna EC50>500 mg/L (24 h)	No data available	No data available	logPow-1.76

Persistence and degradability: Inherently biodegradable.
 Bioaccumulative potential: Material does not bioaccumulate.
 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. 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



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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 73/78 and the IBC Code Not Applicable.

15. REGULATORY INFORMATION

Component	US TSCA
Glycerol 56-81-5 (10-30)	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 contains 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 MSDS 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.

