Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Catalog number RPCA-TH
Product name Rabbit Polyclonal Antibody to Tyrosine Hydroxylase

Company/undertaking identification

EnCor Biotechnology Inc.
4949 SW 41st Boulevard, Suites 40, 50, & 60
Gainesville, FL 32608
United States
+1 352 372 7022
admin@encorbio.com

24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident. Spill, Leak, Fire, Exposure, or Accident. Call CHEMTREC.

Within the USA + Canada: 1-800-424-9300 and 1-703-527-3887
Outside the USA + Canada: +1-703-741-5970

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

SECTION 2: Composition/Information on Ingredients

Component	CAS No.	Common name	EINECS-No	Weight-%
SODIUM AZIDE 26628-22-8 (0-0.1)	26628-22-8	-	247-852-1	0-0.1
Glycerol 56-81-5 (40-70)	56-81-5	-	200-289-5	40-70

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. We recommend handling all chemicals with caution.

SECTION 3: Hazards Identification

GHS Classification

Signal Word: None
Hazard pictograms: None
Health hazards: Not Hazardous

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

SECTION 4: First Aid Measures

Description of 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: Firefighting 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.

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
See section 8 for more information

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.
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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.

Specific end use(s)
For research use only

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
SODIUM AZIDE	None	None	None	None
Glycerol	15 mg/m^3 5 mg/m^3	None	None	None

Chemical Name	Brazil - OEL - TWAs (LTs)	Brazil - OEL - Ceilings	Brazil - OEL - Skin Designations
SODIUM AZIDE	None	None	None
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

Information on basic physical and chemical properties

Appearance liquid
Odor No data
Odor Threshold No data
Molecular Weight No data
pH 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
Upper explosion limit No data
Lower explosion limit No data
Vapor Pressure No data
Vapor density No data
Relative density No data
Specific gravity No data
Solubility No data
Partition coefficient: n-octanol/water No data
Viscosity No data
Explosive properties No data
Oxidizing properties No data

Other information No data.

SECTION 10: Stability and Reactivity

Reactivity Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.
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.

SECTION 11: Toxicological Information

Information on toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
SODIUM AZIDE	= 27 mg/kg (Rat)=27 mg/kg (Mouse)	=20 mg/kg(Rat)	No data available
Glycerol	= 12600 mg/kg (Rat)	No data available	>570mg/m3 (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

SECTION 12: Ecological Information

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

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox Data	log Pow
SODIUM AZIDE	No data available	No data available	No data available	No data available	No data available
Glycerol	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 No information available.
Other adverse effects No 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 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

SECTION 14: Transportation 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 73/78 and the IBC Code Not Applicable.

SECTION 15: Regulatory Information

Component	US TSCA
SODIUM AZIDE 26628-22-8 (0-0.1)	Listed
Glycerol 56-81-5 (40-70)	Listed

US Federal Regulations

SARA 313
This product contains the following toxic chemical(s) subject to the notification requirements of section 313of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute, this product to industrial customers, a notice similar to this one should be sent to those customers.

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values
SODIUM AZIDE	26628-22-8	0-0.1	1.0

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.

National Regulations – Brazil

Chemical Name	CAS No.	Brazil - National Agency for Sanitary Surveillance (ANVISA)	Brazil - National List of Carcinogen Agents to Humans (LINACH)
SODIUM AZIDE	26628-22-8	Not Listed	Not Listed
Glycerol	56-81-5	Not Listed	Not Listed

SECTION 16: Other Information

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

References
•ECHA: http://echa.europa.eu/
•TOXNET: http://toxnet.nlm.nih.gov/
•eChemPortal: http://www.echemportal.org/
•LOLI database: https://www.chemadvisor.com/loli-database

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED ORIMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"

End of Safety Data Sheet