



## Safety Data Sheet

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

#### Identification of the substance or mixture

**Catalog number** MCA-5F95  
**Product name** Mouse Monoclonal Antibody to CasΦ/Cas-12j

#### 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

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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 (CO<sub>2</sub>). 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 <sup>3</sup> 5 mg/m <sup>3</sup>	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 313 of 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.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight-%</u>	<u>SARA 313 - Threshold Values</u>
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

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## **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 OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"

**End of Safety Data Sheet**

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