
1. IDENTIFICATION

Product Name	Recombinant Antibody
Product Numbers	
Recommended use of the chemical and restrictions on use	
Identified Uses	Immunoassay Testing
Restrictions on Use	Research use only. Not for human use.
Company Identification	Addgene 490 Arsenal Way, Suite 100 Watertown, MA 02472 +1 (617) 233-4363 help@addgene.org
Customer Information Number	
Emergency Telephone Number	
CHEMTREC Number	USA: (800) 424-9300 EU: (202) 483-7616
Issue Date	October 28, 2021
Supersedes Date	This is the first issue.
<i>Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200, the Canadian Hazardous Products Regulations (HPR) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</i>	

2. HAZARD IDENTIFICATION

Hazard Classification

This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as it relates to occupational exposure. This is an experimental material being used for research purposes. This product is regulated under FDA guidelines and the toxicological properties of this material are still under investigation (see section 15).

As with any drug or chemical product of unknown human toxicity, take precautions to prevent contact with eye, skin and mucous membranes. Use good industrial hygiene practices to prevent accidental exposure. Product should only be handled by technically qualified individuals who are educated in handling materials of unknown toxicity.

Label Elements

Hazard Symbols
None

Signal Word: None

Hazard Statements

None

Precautionary Statements**Prevention**

Wash hands thoroughly after handling.
Wear eye protection, face protection and skin protection.
Do not breathe mist, vapors or spray.
Do not eat drink or smoke when using this product.
Use only in a well-ventilated area.

Response

If swallowed: Call a poison control center or doctor if you feel unwell. Rinse mouth.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.
If on skin: Wash with plenty of soap and water.

2. HAZARD IDENTIFICATION

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

Storage

Keep container tightly closed.

Disposal

Dispose of in accordance with local regulations.

Other Hazards

None

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	1%
Acute dermal toxicity	1%
Acute inhalation toxicity	1%
Acute aquatic toxicity	1%

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Component	CAS Number	Concentration
Sodium Azide	7144-16-8	<0.01%
Recombinant Antibody	N.A.	1.0 %

4. FIRST- AID MEASURES

Description of necessary first-aid measures**Eyes**

Flush the eye with plenty of water for several minutes. Obtain medical attention if redness or symptoms persist.

Skin

Wash affected area with plenty of water for several minutes. Seek medical attention if symptoms persist.

Ingestion

Rinse mouth with plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation

Remove from exposure. Obtain medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Aside from the information found under description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed**Notes to Physicians**

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media

Use foam, dry chemical or carbon dioxide. Use water spray for surroundings and containers.

5. FIRE - FIGHTING MEASURES

Specific hazards arising from the chemical

May release hazardous vapors in a fire.

Special Protective Actions for Fire-Fighters

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Sweep up and transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective equipment when handling. Do not eat or drink while handling this material.

Conditions for safe storage

Store -20 to -80°C to maintain product integrity. Avoid multiple freeze thaw cycles. Storage area should be: cool - dry - well ventilated - out of direct sunlight - away from incompatible materials (see Section 10)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Sodium Azide

0.29 mg/m³ Ceiling (as NaN₃), 0.11 ppm Ceiling (vapor, as Hydrazoic acid)

Recombinant Antibody

Not Established

Appropriate engineering controls

Engineering methods to prevent or control exposure are preferred. Methods include process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures**Respiratory Protection**

Respiratory protection if there is a risk of exposure. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator.

Skin Protection

Gloves

Eye/Face Protection

Safety glasses

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance**Physical State**
Color

Liquid

Colorless

Odor

Odorless

Odor Threshold

No data available

pH

7.4

Specific Gravity

Not Determined

Boiling Range/Point (°C/F)

Not Determined

Melting Range/Point (°C/F)

Not Determined

Flash Point (PMCC) (°C/F)

Not flammable

Vapor Pressure

No data available

Evaporation Rate (BuAc=1)

No data available

Solubility in Water

Complete

Vapor Density (Air = 1)

No data available

VOC (g/l)

No data available

Partition coefficient (n-octanol/water)

No data available

Viscosity

No data available

Auto-ignition Temperature

No data available

Decomposition Temperature

No data available

Upper explosive limit

No data available

Lower explosive limit

No data available

Flammability (solid, gas)

Not applicable

10. STABILITY AND REACTIVITY

Reactivity

No known reactivity.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat – high temperatures – contact with incompatible materials

Incompatible Materials

Acids – metal, benzoyl chloride – potassium hydroxide – bromine – carbon disulfide

Hazardous Decomposition Products

None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Sodium Azide: LD50 (oral, rat) 27 mg/kg; LD50 (dermal, rabbit) 20 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure

Available data indicates this product is not expected to cause target organ effects after a single exposure.

Specific Target Organ Toxicity (STOT) – repeat exposure

Available data indicates this product is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation

Available data indicates this product is not expected to cause eye irritation.

Skin Corrosion/Irritation

Available data indicates this product is not expected to cause skin irritation.

Respiratory or Skin Sensitization

Available data indicates this product is not expected to cause skin or respiratory sensitization.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

Available data indicates this product is not expected to be mutagenic.

Reproductive Toxicity

Available data indicates this product is not expected to cause reproductive toxicity or birth defects.

Aspiration Hazard

Available data indicates this product is not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Sodium Azide: Toxic to aquatic life.

Mobility in soil

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bioaccumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Contact supplier for transport information

15. REGULATORY INFORMATION

The United States Food and Drug Administration (USFDA)

This product is regulated by the US Food and Drug Administration under the Food, Drug and Cosmetic Act.

United States TSCA Inventory

All ingredients are either listed or exempted from listing on the US EPA Toxic Substance Control Act as it is regulated under the Food, Drug and Cosmetic Act.

SARA Title III Sect. 311/312 Categorization

None

16. OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service

IARC: International Agency for Research on Cancer

N/A: Denotes no applicable information found or available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

Revision Date: October 28, 2021

Replaces: This is first issue

Changed made: Not applicable

Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

Prepared By: EnviroNet LLC.

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