



Safety Data Sheet

1. Product and Company Identification

Product Name	Met-enkephalin Antibody
Product Catalog Number	NBP2-89026
<u>Recommended Use</u>	Laboratory Chemical, Research Use Only
<u>Supplier Address</u>	Novus Biologicals, LLC 10771 E Easter Ave Centennial, CO 80112, USA
<u>Email Address</u>	technical@novusbio.com
<u>ChemTel emergency phones:</u>	1-888-506-6887
<u>ChemTel contract ID:</u>	MIS2559905

2. Hazard Identification

US-GHS Classification
Mixture not classified.

GHS Label Elements (including precautionary statements)

Hazard Statements

H302 – Harmful if swallowed



Precautionary Statements

P270 - Do not eat, drink or smoke when using this product.

P264 - Wash hands/skin thoroughly after handling.

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 - Rinse mouth.

P501 - Dispose of contents/containers in accordance with local regulations

Other Information

No information available.

3. Composition of Ingredients

Substances

Chemical Name	CAS No.	Amount (%)	Classification
Sodium Azide	26628-22-8	0.1	Acute Tox. 2 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

4. First Aid Measures

Description of First Aid Measures

Inhalation	Due to the small packaging the risk of inhalation is minimal. Rinse nose and mouth with water.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Ingestion	Due to the small packaging the risk of ingestion is minimal. Rinse mouth thoroughly.

Most Important Symptoms and Effects (both acute and delayed)

Inhalation	May cause coughing or mild irritation.
Skin Contact	Prolonged skin contact may cause redness and irritation.
Eye Contact	May cause temporary eye irritation.
Ingestion	This product may be harmful if swallowed.

Indication of Any Immediate Medical Attention and Special Treatment Needed

No specific first aid measures noted.

5. Firefighting Measures

Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Hazards Arising from the Substance or Mixture

Nature of decomposition products not known.

Advice for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental Precautions

Do not allow to enter drains, sewers or watercourses.

Methods for Containment and Clean Up

Keep in suitable, closed containers for disposal. Absorb spillage with suitable absorbent material. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7. Handling and Storage

Precautions for Safe Handling

Avoid spilling, skin and eye contact. Good personal hygiene is necessary.

Conditions for Safe Storage

Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Control and Personal Protection

Control Parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Azide 26628-22-8	Ceiling: 0.29 mg/m ³ NaN ₃ Ceiling: 0.11 ppm Hydrazoic acid vapor	(vacated) S* (vacated) Ceiling: 0.1 ppm HN ₃ (vacated) Ceiling: 0.3 mg/m ³ NaN ₃	Ceiling: 0.1 ppm HN ₃ Ceiling: 0.3 mg/m ³ NaN ₃

Exposure Controls

Engineering measures: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Eye/face protection: Tightly fitting safety goggles.

Skin and body protection: Use suitable protective gloves if risk of skin contact. Wear apron or protective clothing in case of contact.

Respiratory protection: No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on Physical and Chemical Properties

Appearance	Form: Liquid		
Color	No Data Available	Flammability	No Data Available
Odor	No Data Available	Vapor Pressure	No Data Available
Odor Threshold	No Data Available	Vapor Density	No Data Available
Melting/freezing point	No Data Available	Relative Density	No Data Available
Boiling Point/Range	No Data Available	Water Solubility	No Data Available
Flash Point	No Data Available	Partition Coefficient	No Data Available
Evaporation Rate	No Data Available	Auto-ignition Temp	No Data Available
Viscosity	No Data Available	Decomposition Temp	No Data Available
Explosive Properties	No Data Available	Oxidizing Properties	No Data Available

10. Stability and Reactivity

Reactivity

Stable under recommended storage conditions.

Chemical Stability

Stable under normal temperature conditions.

Possibility of Hazardous Reactions

Not determined.

Conditions to Avoid

Avoid exposure to high temperatures or direct sunlight.

Incompatible Materials

Hydrocarbons - halogenated. Strong acids.

Hazardous Decomposition Conditions

None under normal conditions.

11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity

Oral LD50: Rat 27 mg/kg

Dermal LD50: 20 mg/kg Rabbit

Skin Corrosion/Irritation

Not determined.

Serious Eye Damage/Eye Irritation

Not determined.

Respiratory or Skin Sensitisation

Not determined.

Germ Cell Mutagenicity

Not determined.

Carcinogenicity

Not determined.

Reproductive Toxicity

Not determined.

Specific Target Organ Toxicity – Single Exposure

Not determined.

Specific Target Organ Toxicity – Single Exposure

Not determined.

Aspiration Hazard

Not determined.

Additional Information

No specific health warnings noted.

12. Ecological Information

Toxicity

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to other aquatic invertebrates
Sodium Azide 26628-22-8		0.8: 96 h Oncorhynchus mykiss mg/L LC50 0.7: 96 h Lepomis macrochirus mg/L LC50 5.46: 96 h Pimephales promelas mg/L LC50 flow-through		

Persistence and Degradability

There are no data on the degradability of this product.

Bioaccumulative Potential

No data available on bioaccumulation.

Mobility in Soil

The product is soluble in water.

Results of PBT and vPvB Assessment

No information available

Other Adverse Effects

Not determined.

13. Disposal Considerations

Waste Treatment Methods

Dispose of waste and residues in accordance with local authority requirements.

14. Transport Information

DOT

Not dangerous goods.

IATA

Not dangerous goods.

ADR

Not dangerous goods.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right To Know Components: Sodium Azide (CAS No. 26628-22-2)

Pennsylvania Right To Know Components: Sodium Azide (CAS No. 26628-22-2)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. Other Information

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.