

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifiers

Product Name: Aquaporin-3 Antibody - BSA Free
Catalog Number: **NBP2-92885**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses: For Research Use Only

1.3 Details of the supplier of the safety data sheet

Company:	Novus Biologicals a Bio-Techne Brand	Telephone:	1-888-506-6887
	10771 E Easter Ave	Fax:	1-303-730-1966
	Centennial, CO 80112, USA	Internet:	www.novusbio.com
		Email address:	novus@novusbio.com

1.4 Emergency Telephone Number

Emergency Tel: US: 303-730-1950 or 888-506-6887 / Europe: +44(0)1235-529449

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 [CLP], GHS or 29 CFR 1910.1200 [OSHA].

2.2 Label Elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other Hazards - None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Component	CAS No.	EC No.	Index No.	Classification	Conc.
Sodium Azide	26628-22-8	247-852-1	011-004-00-7	Not hazardous at this concentration.	< 0.1 %

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Consult a doctor and show this safety data sheet.

If Inhaled

Sodium Azide - Supply fresh air. Consult doctor in case of complaints.

In Case of Skin Contact

Sodium Azide - Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

In Case of Eye Contact

Sodium Azide - Rinse opened eye for several minutes under running water.

Then consult a physician.

If Swallowed

Sodium Azide - Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media Suitable extinguishing media
Sodium Azide - Any means suitable for extinguishing the surrounding area.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Sodium Azide - Dangerous decomposition is not anticipated.

5.3 Precautions for fire-fighters
Sodium Azide - Wear appropriate protective clothing and a self-contained breathing apparatus if necessary.

6. ACCIDENTIAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Sodium Azide - Use standard laboratory practices including proper personal protective equipment.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Sodium Azide - Absorb liquid components with liquid-binding material. Pick up mechanically. Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections
For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Sodium Azide - No special measures required. No special precautions are necessary if used correctly.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

7.3 Specific end uses
Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls
Appropriate Engineering Controls
Sodium Azide - Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin, eyes and clothing.

Personal Protective Equipment

Eye / Face Protection
Use appropriate safety glasses.

Skin Protection
Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body Protection
Wear appropriate protective clothing.

Respiratory Protection
If risk assessment indicates necessary, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Lyophilized white powder or clear liquid	Vapor Pressure	No data available.
Odor	Little to none	Vapor Density	No data available.

Odor Threshold	No data available.	Relative Density	No data available.
pH	No data available.	Solubility(ies)	Soluble
Melting / Freezing Point	No data available.	Partition Coefficient	No data available.
Boiling Point / Range	No data available.	Autoignition Temperature	Product is not self igniting
Flash Point	No data available.	Decomposition Temperature	No data available.
Evaporation Rate	No data available.	Viscosity	No data available.
Flammability (Solid, Gas)	No data available.	Explosive Properties	No data available.
Upper / Lower Flammability or Explosive Limits	No data available.	Oxidizing Properties	No data available.

9.2 Other safety information
No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Sodium Azide - Sodium Azide can form explosive compounds with heavy metals which, with repeated contact with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds.

10.2 Chemical stability

Stable under recommended transport or storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat, moisture.

10.5 Incompatible materials

Sodium Azide - Metals and metallic compounds.

10.6 Hazardous decomposition products

Sodium Azide - Hazardous decompositions formed under fire conditions. No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Sodium Azide - LD50 oral, mouse and rat = 27 mg/kg; LD50 inhalation, mouse = 32 mg/m3 and rat = 37 mg/m3; LD50 skin rabbit = 20 mg/kg and rat, 50 mg/kg.

Skin Corrosion / Irritation

Sodium Azide - May be harmful if absorbed through the skin. May cause skin irritation.

Serious Eye Damage / Irritation

Sodium Azide - May cause eye irritation.

Respiratory or Skin Sensitization

Sodium Azide - No sensitizing effects known. May be harmful if inhaled. May cause respiratory tract irritation

Germ Cell Mutagenicity

Sodium Azide - No effect known.

Carcinogenicity

Sodium Azide - No effect known.

Reproductive Toxicity

Sodium Azide - No toxic effect known.

Specific Target Organ Toxicity - Single Exposure

Classified based on available data

Specific Target Organ Toxicity - Repeated Exposure

Classified based on available data

Aspiration Hazard

Sodium Azide - May be harmful if inhaled. May cause respiratory tract irritation.

Symptoms / Routes of Exposure

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be irritation of the throat.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Delayed / Immediate Effects: No known symptoms.

Additional Information

Classified based on available data

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Sodium Azide - Harmful to aquatic life. LC50, 96 Hrs, Fish *Lepomis macrochirus* - 0.68 mg/L; EC50, 48 Hrs, *Daphnia pulex* - 4.2 mg/L.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

Sodium Azide - Sodium azide is soluble in water.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Sodium Azide - Sodium azide is toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. However, at the concentrations present this product does not need to be classified as hazardous for the environment and the effects are not expected to be significant.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Sodium Azide - Dispose of waste in accordance to applicable national, regional, or local regulations.

Contaminated Packaging

Sodium Azide - Dispose in the same manner as unused product.

14 TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

This product is not classified as environmentally hazardous according to the UN Model Regulations, nor a marine pollutant according to the IMDG Code.

14.6 Special precautions for users No data available.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

TSCA (Toxic Substances Control Act) : Sodium Azide - Listed

SARA 313 : Sodium Azide - Listed

SARA 311/312 : Sodium Azide - Listed

CERCLA Reportable Quantity : Sodium Azide - 1000 lbs.

California Proposition 65 : Not applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION**Further Information**

Copyright © 2018 Novus Biologicals a Bio-Techne Brand

This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet