

SAFETY DATA SHEET

Revision Date: January 2024

ARLINGTON
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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Aquatic Block and Aqua Block Blocking Buffers	
Product number:	Aquatic Block, 500 mL	PP71P-500
	Aquatic Block, 125 mL	PP81P-125
	Aquatic Block, 500 mL	PP81P-500
	Aquatic Block, 1L	PP81P-1L
	Aquatic Block, 4L cube	PP81-4L cube
	Aquatic Block, 5L cube	PP81-5L cube
	Aquatic Block, Tris, 125 mL	PP81T-125
	Aqua Block, 100 mL	PP82P-100
	Aqua Block, Tris, 125 mL	PP82T-125
	Aqua Block, 500 mL	PP82P-500
Brand:	ASI	
Company:	Arlington Scientific Inc. 1840 N Technology Drive Springville, UT 84663 USA	
Telephone:	(801) 489-8911	
Fax:	(801) 489-5552	
Emergency phone #:	(801) 489-8911	

2. HAZARDS IDENTIFICATION

Emergency overview:	This product is not classified according to the Global Harmonized System (GHS).
OSHA hazards:	NFPA and HMIS ratings: Health = 2; Flammability = 0; Reactivity = 0
Flammable liquid:	None
Target organ effect:	None
Harmful by ingestion:	Avoid hand-to-mouth contact when handling the buffer. Wash hands thoroughly after handling, even when gloves have been worn. Do not eat, drink, or apply cosmetics in the area the buffer is handled. Do not pipet by mouth.
Harmful by skin absorption:	Wear gloves and especially cover any cuts, abrasions, or skin lesions. Dispose of gloves and used reagent containers as biohazardous material. Wash hands thoroughly after removing gloves. Wear outer protective garment such as a lab coat or gown.
Irritant:	None
Target organs:	None
Potential health effects:	
Inhalation:	May cause irritation
Skin:	May cause irritation
Eyes:	May cause irritation
Ingestion:	May cause irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula:	The buffer is a mixture of water-soluble components that are considered non-hazardous. Contains sodium azide, CAS # 26628-22-8, ≤0.09%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent explosive azide buildups in drains and pipes.
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4. FIRST AID MEASURES

General Advice:	No acute health hazard has been reported.
If inhaled:	Remove from source to fresh air. If breathing becomes difficult, administer oxygen, and call a physician. If victim is not breathing, administer CPR.
In case of skin contact:	Wash well with mild soap and copious amounts of water. Remove contaminated clothing and flush skin surface with additional water
In case of eye contact:	Flush the eye with large amounts of water for a least 15 minutes.
If swallowed:	Flush mouth with copious amounts of water. Do not swallow the rinse water.

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5. FIRE-FIGHTING MEASURES

Flammable properties:	None
Suitable extinguishing media:	CO ₂ , dry chemical powder or water spray.
Special protective equipment: for Fire-Fighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions. Contains sodium azide ≤0.09%.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Personal precautions, protective equipment, and emergency procedures are not required.
Environmental precautions:	No known risk to environment.
Methods for cleaning up:	Clean-up with water moistened cloth or mop. After material has been cleaned-up and removed, wash the spilled area site with a disinfectant cleaner.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation and fresh air supply in HVAC
Storage	Store at 2 – 8° C avoid freezing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal precautions	Gloves, eye wear and lab coats
Respiratory protection	None required
Hand protection	Surgical gloves
Eye protection	Standard laboratory eye wear
Skin and body protection	Typical laboratory coat or gown
Hygiene measures	No special measures required
Personal precautions	No special precautions required
Respiratory protection	Wear surgical mask if indicated by local procedures

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	Liquid
Color	Clear
Odor	None
Safety data	ASI Reagents contain sodium azide. Azides in contact with lead and copper plumbing may react to form highly explosive metal azides. When disposing of reagents containing azide, flush down the drain with large amounts of water to prevent explosive azide build-up.

10. STABILITY AND REACTIVITY

Storage stability	Refrigerate at 2 – 8° C
Conditions to avoid	Avoid temperatures outside the range of 2 - 8 degrees C. Avoid freezing.
Materials to avoid	Lead, copper, mercury, silver, gold, chromyl chloride, hydrazine, bromine, carbon disulfide, dimethyl sulfate, dibromomalonitrile will form explosive compounds with sodium azide.
Hazardous decomposition products	Emits toxic fumes under fire conditions. Nature of decomposition products not known.
Hazardous reactions	None

11. TOXICOLOGICAL INFORMATION

Potential health effects	
Inhalation	May cause irritation.
Skin	May cause irritation.
Eyes	May cause irritation
Ingestion	Harmful if swallowed.

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Target organs	Laboratory experiments in animals have shown Sodium Azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, hepatic and cerebral effects. To the best of our knowledge, the chemical, physical, and toxicological properties of a concentration of < 0.09% Sodium Azide have not been thoroughly investigated.
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12. ECOLOGICAL INFORMATION	
Elimination information	No ecological effects currently identified.

13. DISPOSAL CONSIDERATIONS	
Product	ASI reagents contain sodium azide. Azides in contact with lead and copper plumbing may react to form highly explosive metal azides. When disposing of reagents containing azide, flush down the drain with large amounts of water to prevent azide build-up. Smaller quantities can be disposed of with solid waste. This product is not considered an RCRA hazardous waste. Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.

14. TRANSPORTATION INFORMATION	
DOT (US)	Non-hazardous. Proper Shipping Name: in vitro diagnostic reagents

15. REGULATORY INFORMATION	
	FDA 510(k) K821388
	The product is not subject to identification regulations under EU Directives.

16. OTHER	
	To the best of our knowledge, the information provided in this Safety Data Sheet is accurate. ASI does not assume any liability for the accuracy or completeness of the information. Final suitability of a material is the responsibility of the user. All materials may present unknown hazards and should always be used with caution. Although hazards are described in this Safety Data Sheet, ASI does not guarantee that these issues are the only hazards that exist.