

SAFETY DATA SHEET

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1. 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, Tris, 125 mL PP81T-125 Aquatic Block, Tris, 500 mL PP81T-500 Aqua Block, 100 mL PP82P-100 Aqua Block, 500 mL PP82P-500 Aqua Block, Tris, 125 mL PP82T-125 Aqua Block, Tris, 500 mL PP82T-500 Aquatic Block, 5L PP81P-5L	
Brand	ASI	
Recommended use/Restrictions on use	This product is intended for research and manufacturing uses only. It is not a diagnostic device.	
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

Classification	Classification under 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Hazard Classification	All constituents considered non-hazardous according to 29 CFR 1910.1200 (d)(1)(ii)
Signal Word	None Required
Hazard Statement	None Required
Label Elements	None Required
Precautionary Statements	None Required
Hazards not otherwise classified (HNOC)	None Identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	All constituents considered non-hazardous according to 29 CFR 1910.1200 (d)(1)(ii)
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4. FIRST AID MEASURES

General Advice	Symptoms of mild discomfort may be exhibited after several hours, observe for any medical symptoms for at least 48 hours.
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If inhaled	Remove from source to fresh air. If breathing becomes difficult, call a physician.
In case of skin contact	Wash thoroughly with soap and water. Remove contaminated clothing. Call a physician.
In case of eye contact	Flush with large amounts of water or sterile eye wash. Use fingers to separate the eyelids for effective flushing. Call a physician.
If swallowed	If conscious, wash out mouth with water. Call a physician.
Most Important symptoms/effects, acute and delayed	Symptoms of mild discomfort may be exhibited after several hours, observe for any medical symptoms for at least 48 hours.

5. FIRE-FIGHTING MEASURES

Flammable properties	None
Suitable extinguishing media	CO ₂ , or multiple dry chemical or water spray
Special protective equipment for Fire-Fighters	None required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Follow general laboratory practices
Protective Equipment	General Laboratory personal protective equipment
Emergency procedures	None required.
Methods and materials for containment and cleaning up	Clean-up with water moistened cloth or mop. After material has been cleaned up and removed, wash the spilled area with disinfectant cleaner.

7. HANDLING AND STORAGE

Precautions for safe handling	Ensure adequate ventilation and fresh air supply in HVAC.
Conditions for safe storage	Store at 2 - 8 °C and avoid freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls	This product does not contain any hazard with occupational exposure limits established by the region-specific regulatory body.
Engineering controls	Follow general laboratory practices
Personal precautions	Avoid hang-to-mouth contact when handling human serum source materials.
Respiratory protection	Wear surgical mask if indicated by local procedures

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Hand protection	Wash hands thoroughly after handling, and after removing gloves.
Eye protection	Standard laboratory eyewear.
Skin and body protection	Wear gloves and especially cover any cuts, abrasions, or skin lesions. Wear outer protective garment such as a lab coat or gown.
Hygiene measures	Do not eat, drink, or apply cosmetics in the area where human source material is handled. Do not pipet by mouth.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear
Odor (odor threshold)	No applicable information is available
Melting point/freezing point	No applicable information is available
Boiling point	No applicable information is available
Flammability	No applicable information is available
Lower and upper explosion limit/flammability limit	No applicable information is available
Flash point	No applicable information is available
Auto-ignition temperature	No applicable information is available
Decomposition temperature	No applicable information is available
pH	No applicable information is available
Kinematic viscosity	No applicable information is available
Solubility	No applicable information is available
Partition coefficient n-octanol/water (log value)	No applicable information is available
Vapor pressure (includes evaporation rate)	No applicable information is available
Density and/or relative density	No applicable information is available
Relative vapor density	No applicable information is available
Particle characteristics	No applicable information is available

10. STABILITY AND REACTIVITY

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Reactivity	No applicable information is available
Chemical stability	No applicable information is available
Possibility of hazardous reactions	No applicable information is available
Conditions to avoid	Avoid temperatures outside the range of 2 – 8 °C, avoid freezing.
Incompatible materials	No applicable information is available
Hazardous decomposition products	No applicable information is available

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause irritation
Skin	May cause irritation
Eyes	May cause irritation
Ingestion	Harmful if swallowed
Symptoms related to physical, chemical, and toxicological characteristics	No applicable information is available
Delayed and immediate effects and chronic effects from short-and long-term exposure	No applicable information is available
Numerical measures of toxicity	No applicable information is available
Interactive effects	No applicable information is available
Listed in National Toxicology Program (NTP) Report on Carcinogens	No applicable information is available
Found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA	No applicable information is available

12. ECOLOGICAL INFORMATION

Elimination information	No applicable information is available
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13. DISPOSAL CONSIDERATIONS

Waste disposal methods	ASI reagents contain sodium azide at $\leq 0.1\%$. Even though the concentration is below what is classified as hazardous according to 2024 OSHA Hazardous Communication Standard 29 CFR 1910.1200, 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
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	waste. Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.
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14. TRANSPORTATION INFORMATION	
DOT (US)	Not regulated

15. REGULATORY INFORMATION	
	21 CFR 820
	The product is not subject to identification regulations under EU Directives.

16. OTHER	
Other information	To the best of our knowledge, the information provided in the 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 the SDS, ASI does not guarantee that these issues are the only hazards that exist.
Date of preparation/change	July 31, 2026