SAFETY DATA SHEET (SDS)

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

Product Name: Flow Cytometry Perm Buffer (10x)
Catalog Number: PF00011-C

Company/undertaking Identification:
Proteintech Group
5500 Pearl Street
STE 400
Rosemont, IL 60018
312-455-8498
proteintech@ptglab.com
Emergency telephone number:
312-455-8498

2. HAZARDOUS IDENTIFICATION:

OSHA Hazards
This product contains a component classified as hazardous under OSHA regulations.
This product is classified as hazardous according to the Globally Harmonized System (GHS).

HMIS Classification	
Health Hazard:	2
Flammability:	0
Physical Hazards:	0

NFPA Rating	
Health Hazard:	2
Fire:	0
Reactivity Hazard:	0

Potential Health Effects	
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation
Skin	May causes skin irritation
Eyes	Causes eye irritation
Ingestion	May be harmful if swallowed

3. INGREDIENT COMPOSITION/INFORMATION:

Aqueous liquid solution containing less than 0.1% sodium azide. No ingredients are hazardous, or the concentration of all chemicals are below the regulatory threshold limits according to OSHA criteria.

4. FIRST AID MEASURES:

General Advice	Consult a physician. Show this Safety Data Sheet to the doctor in attendance.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if symptoms occur. If symptoms persist, consult a physician.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Rinse mouth with water. Get medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES:

Conditions of flammability: Not flammable or combustible.
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective clothing for firefighting.
Hazardous combustion products

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Avoid breathing vapors, mist, or gas.
Environmental precautions: Avoid releasing a significant amount into the environment.
Methods and materials for containment and cleaning up: Use a damp mop or sponge to clean up spill and surrounding area. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE:

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Avoid contact with eyes, skin, and clothing. Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PPE:

Contains no substances with occupational exposure limit values.
Personal protective equipment
Respiratory protection
Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection
The type of protective equipment must be selected according to the concentration and amount of the dangerous
substance at the specific workplace.
Hygiene measures
General laboratory hygiene practice including washing thoroughly after handling and washing contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state @ 40C: Liquid
Color: Not available.
Odor: Not available.
Odor threshold pH: Not available.
Melting point: Not available.
Boiling point: Not available.
Flash point: Not available.
Burning time: Not applicable.
Burning rate: Not applicable
Evaporation rate: Not available.
Flammability (solid, gas): Not available.
Lower and upper explosive (flammable) limits: Not available.

Vapor pressure: Not available.
Vapor density: Not available.
Relative density: Not available.
Solubility: Soluble in water or aqueous buffers.
Partition coefficient: Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
SADT: Not available.
Viscosity: Not available.

10. STABILITY AND REACTIVITY:

Chemical stability: Stable under normal conditions
Possibility of hazardous reactions: No data available
Conditions to avoid: Prolonged light exposure may affect product performance or quality.
Incompatible materials: Acidic material and metals and strong oxidizers. Sodium azide may react with metallic plumbing and form explosive metal azides.
Hazardous decomposition products: Other decomposition products – no data available

11. TOXICOLOGICAL INFORMATION:

Oral LD50: no data available
Inhalation LC50: no data available
Dermal LD50
Other information on acute toxicity: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: Eyes: no data available
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available
Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity - single exposure (Globally Harmonized System): no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available
Aspiration hazard: no data available

Potential health effects
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: Causes eye irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic effects: no data available
Additional Information: RTECS: Not available

12. ECOLOGICAL INFORMATION:

Data not yet available.

13. DISPOSAL CONSIDERATIONS:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION:

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION:

OHSA Hazards: Contains Formaldehyde (CAS# 50-00-0) classified as hazardous under OSHA regulations.
SARA 302:

Sodium Azide	CAS 26628-22-8

SARA 313:
Does not contain any components established by SARA 313.
SARA 311/312:
No SARA Hazards
Reportable Quantity

Lowest RQ > 999999 lbs
Lowest RQ > 999999 lbs

Massachusetts Right To Know Components

Sodium Azide	CAS 26628-22-8

Pennsylvania Right To Know Components

Water	7732-18-5
Sodium Azide	CAS 26628-22-8

New Jersey Right To Know Components

Water	7732-18-5
Sodium Azide	CAS 26628-22-8

California Prop. 65 Components
Formaldehyde is toxic and is known to the State of California to cause cancer.

16. OTHER INFORMATION:

Reason for revision: Initial release of SDS
Revision number: 0
Revision: 07/15/2021

The above information is believed to be correct but should only be used as a guide for experienced personnel. Proteintech Group Inc. will not be liable for any damage resulting from the handling of or from contact with the above product. This SDS does not purport to be all-inclusive.

For lab use only, not for diagnostic or therapeutic work.

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