

## Material Safety Data Sheet (MSDS)

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### IDENTIFICATION

This Material Safety Data Sheet (MSDS) covers all of the following Biogems:

- ▽ Purified recombinant Proteins
- ▽ Purified monoclonal and polyclonal antibodies of mouse, rat, hamster, goat, or rabbit origin.
- ▽ Antibody and protein conjugates to these molecules:
  - Allophycocyanine (APC)
  - APC-Cy5.5
  - APC-Cy7
  - Biotin
  - Cy5
  - Fluorescein (FITC)
  - Phycoerythrin (PE)
  - Pe-Cy5
  - Pe-Cy7
  - Peridinin chlorophyll protein (PerCP)
  - PerCP -Cy5.5
  - Violet 450

**Description:** These products are provided as either dry powder or in aqueous solution. Where applicable, they may contain the preservative  $\leq 0.09\%$  (w/v) sodium azide.

### HAZARDOUS COMPONENTS

In the products that contain sodium azide, the material is present at very low concentrations below the OSHA regulatory threshold limits. The other ingredients including the purified protein, conjugated dyes, and buffer salts are not considered hazardous. Always follow Good Laboratory and Industrial Hygiene Practices and wear proper personal protective equipment when handling chemicals.

### PHYSICAL PROPERTIES

<b>Appearance and odor:</b>	The products are in the form of an odorless colorless powder or an odorless colorless clear liquid
<b>Boiling Point:</b>	Undetermined
<b>Melting Point:</b>	Undetermined
<b>Solubility in Water:</b>	Soluble
<b>Vapor Pressure:</b>	Undetermined
<b>Vapor Density:</b>	Undetermined

### REACTIVITY PROPERTIES

The products are stable. The fluorochrome conjugated products should not be exposed to light for a prolonged period. Please follow the recommended storage instructions.

**Hazardous decomposition:** None known

### FIRE FIGHTING AND EXPLOSION PROPERTIES

There are no unusual fire or explosion hazards associated with these products.

**Flashpoint:** Not applicable

**Flammable limits:** Not applicable

**Extinguishing media:** Use the appropriate media for site conditions

**Fire fighting procedures:** Use appropriate self-contained breathing apparatus and protective garments for site conditions

### HEALTH HAZARD PROPERTIES

**Eye contact:** May cause irritation. Flush immediately with large volumes of water for at least 15 minutes. Seek medical attention if eye irritation persists.

**Skin contact:** May cause irritation. Wash areas thoroughly with soap and water. Immediately remove contaminated clothing and contaminated clothing should not be worn until after it has been properly cleaned. Seek medical attention if irritation persists.

**Ingestion:** Seek medical attention or call poison control immediately.

**Inhalation:** May cause irritation. Remove from further exposure. If respiratory irritation, dizziness, nausea, or other symptoms occurs, seek immediate medical attention.

### ACCIDENTAL RELEASE PROCEDURES

Waste disposal of spilled product and any material used to clean the spill should be in accordance with all local, state, and federal environmental regulations.

### PROTECTION INFORMATION

Follow appropriate laboratory hygiene practices when handling these products. Avoid skin and eye contact and wash any exposed areas of the body thoroughly with soap and water when handling is complete.

**Eye protection:** Laboratory safety goggles

**Respiratory protection:** If performed with adequate ventilation, no respiratory protection is required.

**Protective gloves:** Chemical Resistant gloves

**Other Protective equipment:** Lab coat, apron or other laboratory protective clothing should be worn to minimize contact.

**The above information is believed to be correct, but without guarantee. All risks of use of the product are therefore assumed by the user. Biogems shall not be held responsible for any damage resulting from the use of these products or the information contained in this Material Safety Data Sheet (MSDS).**