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## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier:

Catalog Number: R7-1XXXX, R7-2XXXX, R7-3XXXX, R7-4XXXX, and RC-XXXXX

Product Description: Fluorescence conjugated antibodies

### Product Details and Usage:

*This material is for use in flow cytometry. The health, toxicological, & eco-toxicological hazards of this substance have not been fully investigated; therefore, this substance must be handled only by, or under close supervision of those qualified in the handling and use of potentially hazardous substances.*

### Supplier:

Cytek Biosciences  
47215 Lakeview Boulevard  
Fremont, CA 94538-6407 U.S.A.

**Emergency Telephone Number:** +1 (510) 657-0102

**Fax:** +1 (510) 657-0151

**Telephone:** +1 (877) 922-9835 (toll-free)

### Preparation Information:

Cytek Biosciences Product Safety  
+1 (877) 922-9835 (toll-free)

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## Section 2 - HAZARDS IDENTIFICATION

### Emergency Overview:

*No known OSHA hazards. Not a dangerous substance or mixture according to the Globally Harmonized System (GHS). Not classified as hazardous according to Regulation (EC) 1272/2008 (CLP/GHS) or Directive 67/548/EEC as amended. Caution: This substance has not been fully tested (EC).*

### HMIS Classification:

|                        |   |
|------------------------|---|
| Health Hazard:         | 2 |
| Chronic Health Hazard: | 0 |
| Flammability:          | 0 |
| Physical Hazards:      | 0 |

### NFPA Rating:

|                    |   |
|--------------------|---|
| Health Hazard:     | 2 |
| Fire:              | 0 |
| Reactivity Hazard: | 0 |

**Potential Health Effects:**

Inhalation (powder/mists): *May be harmful if inhaled. May cause upper respiratory tract & mucous membrane irritation.*

Skin and Eyes: *May cause skin and eye irritation.*

Ingestion: *May be harmful if swallowed.*

Environmental: *May be harmful to the environment.*

**Label Elements:**

*None required according to regulation (EC) 1272/2008 (CLP/GHS) or Directive 1999/45/EC.*

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**Section 3 - COMPOSITION INFORMATION ON INGREDIENTS**

Aqueous liquid solution composed of antibody with 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.

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**Section 4 - FIRST AID MEASURES**

**Inhalation:**

*If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen and consult a physician.*

**Skin Contact:**

*Wash off immediately with soap and plenty of water, remove any contaminated clothing, and consult a physician.*

**Eye Contact:**

*Flush eyes with water for at least 15 minutes and consult a physician.*

**If Swallowed:**

*Rinse mouth with water and consult a physician immediately.*

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**Section 5 - FIRE FIGHTING MEASURES**

**Main Hazard:**

*Not flammable or combustible.*

**Extinguishing Method:**

*Use water spray, alcohol-resistant foam, dry chemical, or carbon monoxide.*

**Special Fire Fighting Procedure:**

*Wear self-contained breathing apparatus with full face shield operated in positive pressure mode, MSHA/NIOSH (approved or equivalent), and full protective gear.*

**Unusual Fire Hazards & Explosion Hazards:**

None.

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## **Section 6 - ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions:**

*Avoid breathing vapors, mist, or gas.*

### **Environmental Precautions:**

*No special environmental precautions required.*

### **Spill/Leaks:**

*Clean up spills using an absorbent, non-combustible material and gather up placing in a clean closed container for disposal. Do not wash away into sewers.*

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## **Section 7 - HANDLING AND STORAGE**

### **Conditions for Safe Storage:**

*Keep container tightly closed in a dry and well-ventilated place. Store at 2-8°C.*

### **Special Requirements:**

*Protect from light.*

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## **Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Components with Workplace Control Parameters:**

*No components above the 0.1% threshold have specific workplace control parameters assigned to our knowledge.*

### **Local Mechanical Ventilation:**

*Not required as supplied.*

### Personal Protective Equipment:

|                         |                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory Protection: | <i>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).</i>                                                    |
| Hand Protection:        | <i>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.</i> |
| Eye Protection:         | <i>Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</i>                                                                                                                                                                                  |
| Hygiene Measures:       | <i>Avoid contact of contents with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product.</i>                                                                                                                                                                                  |

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

|                 |                          |
|-----------------|--------------------------|
| Physical State: | <i>Liquid</i>            |
| Color:          | <i>No data available</i> |

### Safety Data:

|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| Order:                                 | <i>No data available</i>                          |
| Order Threshold:                       | <i>No data available</i>                          |
| pH:                                    | <i>7.2</i>                                        |
| Vapor Pressure:                        | <i>No data available</i>                          |
| Vapor Density:                         | <i>No data available</i>                          |
| Relative Vapor Density:                | <i>No data available</i>                          |
| Viscosity:                             | <i>No data available</i>                          |
| Boiling Point:                         | <i>No data available</i>                          |
| Melting Point:                         | <i>No data available</i>                          |
| Decomposition Temperature °C:          | <i>Do not freeze. Do not heat. Keep at 2-8°C.</i> |
| Flash Point:                           | <i>No data available</i>                          |
| Ignition Temperature °C:               | <i>No data available</i>                          |
| Autoignition Temperature °C:           | <i>No data available</i>                          |
| Lower Explosion Limit:                 | <i>No data available</i>                          |
| Upper Explosion Limit:                 | <i>No data available</i>                          |
| Evaporation Rate:                      | <i>No data available</i>                          |
| Specific Gravity:                      | <i>No data available</i>                          |
| Water Solubility:                      | <i>No data available</i>                          |
| Partition Coefficient n-octanol/water: | <i>No data available</i>                          |
| Odor:                                  | <i>No data available</i>                          |
| Odor Threshold:                        | <i>No data available</i>                          |
| Log Pow:                               | <i>No data available</i>                          |

## Section 10 – STABILITY AND REACTIVITY

### Chemical Stability:

*Stable under recommended storage conditions.*

### Possibility of Hazardous Reactions:

*No data available.*

### Conditions to Avoid:

*Prolonged light exposure may affect product performance or quality.*

### Materials to Avoid:

*Acidic material and metals and strong oxidizers. Sodium azide may react with metallic plumbing and form explosive metal azides.*

### Hazardous Decomposition:

*No data available.*

### Hazardous Polymerization:

*No data available.*

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## Section 11 – TOXICOLOGICAL DATA

Acute Toxicity: *No data available.*

Oral LD50: *No data available.*

Inhalation LC50: *No data available.*

Dermal LD50: *No data available.*

Other Information: *No data available.*

### Skin Corrosion/Irritation:

*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 probable, possible or confirmed human carcinogen by NTP.*

OSHA: *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 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:      | <i>May be harmful if inhaled.</i>               |
| Skin contact:    | <i>May cause skin irritation.</i>               |
| Skin Absorption: | <i>May be harmful if absorbed through skin.</i> |
| Ingestion:       | <i>May be harmful if swallowed.</i>             |

**Signs and Symptoms of Exposure:**

*To the best of our knowledge, the toxicological properties of these materials have not been fully investigated.*

**Synergistic Effects:**

*No data available.*

**Additional Information:**

*RTECS: Not available.*

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**Section 12 – ECOLOGICAL INFORMATION**

**Toxicity:**

*No data available.*

**Persistence and Degradability:**

*No data available.*

**Bioaccumulative Potential:**

*No data available.*

**Mobility in Soil:**

*No data available.*

**PBT and vPvB Assessment:**

*No data available.*

**Other Adverse Effects:**

*To the best of our knowledge, the ecotoxicological properties of this mixture have not been fully investigated. However, the liquid may be harmful to the environment depending on the quantity and dilution involved.*

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**Section 13 – DISPOSAL CONSIDERATIONS**

*Methods of disposal must meet all local, federal and state laws.*

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**Section 14 – TRANSPORTATION INFORMATION**

**US-DOT:**

*Not classified as hazardous for any mode of transport.*

**IMO/IMDG:**

*Not classified as hazardous for any mode of transport.*

**IATA, IMO/IMDG, ADR/RID, US-DOT:**

*Not classified as hazardous for any mode of transport.*

**ADR/RID:**

*Not classified as hazardous for any mode of transport.*

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**Section 15 – REGULATORY INFORMATION**

**OSHA Hazards:**

*No known OSHA hazards.*

**SARA 302 Components:**

*The following components are subject to reporting levels established by SARA Title III, Section 302:*

|              | <b>CAS-No.</b> | <b>Revision Date</b> |
|--------------|----------------|----------------------|
| Sodium azide | 26628-22-8     | 2007-07-01           |

**SARA 313 Components:**

*This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.*

**SARA 311/312 Hazards:**

*No SARA hazards.*

**Massachusetts Right To Know Components:**

|              | <b>CAS-No.</b> | <b>Revision Date</b> |
|--------------|----------------|----------------------|
| Sodium azide | 26628-22-8     | 2007-07-01           |

**Pennsylvania Right To Know Components:**

|              | <b>CAS-No.</b> | <b>Revision Date</b> |
|--------------|----------------|----------------------|
| Water        | 7732-18-5      |                      |
| Sodium azide | 26628-22-8     | 2007-07-01           |

**New Jersey Right To Know Components:**

|              | <b>CAS-No.</b> | <b>Revision Date</b> |
|--------------|----------------|----------------------|
| Water        | 7732-18-5      |                      |
| Sodium azide | 26628-22-8     | 2007-07-01           |

**California Prop. 65 Components:**

*This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.*

**Other Regulatory Information:**

US (TSCA) CAS# 026628-22-8 is listed on the TSCA Inventory.

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorization**

**Annex XIV**

*None of the components are listed.*

**Substances of very high concern**

*None of the components are listed.*

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:**

*Not applicable.*

**Section 16 – OTHER INFORMATION**

**Further Information:**

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