

## Material Safety Data Sheet

Affinity Purified Unconjugated Protein

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### Section 1: Chemical Identification

Name: JES5-2A5

### Section 2: Composition / Information on Ingredients

Substance Name:

CAS Number:

Antibody Solution in PBS

N/A

The Hazards Identified With This Product Are Those Associated With The Following Component(s):

Phosphate Buffered Saline (PBS )

N/A

Sodium Chloride

7647-14-5

Sodium Phosphate dibasic

10028-24-7

Potassium Phosphate monobasic

7778-77-0

### Section 3: Hazards Identification

Emergency Overview

May cause eye, skin, and / or respiratory tract irritation

Potential Health Effects

No chronic health effects found

### Section 4: First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eye lids. Get medical treatment.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing before use.

**Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical treatment.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing, give oxygen. Get medical treatment.

### Section 5: Fire Fighting Measures

**Extinguisher medium:** Use medium suitable for surrounding environment. Substance is noncombustible.

## Section 6: **Accidental Release Measures**

**General Information:** Use proper personal protective equipment as necessary including gloves, eye protection, and mask.

**Spills and Leaks:** Spilled material should be immediately wiped up and removed using personal protective gear. Wash spill site after removal of material.

## Section 7: **Handling and Storage**

**Handling:** Wash thoroughly after handling. Avoid contact with eyes and skin, and clothing. Avoid inhalation and ingestion.

**Storage:** Store in tightly closed container. Store as appropriate for use, chilled or frozen.

## Section 8: **Exposure Controls, Personal Protection**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Chemical Name:	ACGIH	NIOSH	OSHA- Final PELs
Sodium Chloride	none listed	none listed	none listed
Sodium phosphate, dibasic	none listed	none listed	none listed
Potassium phosphate, monobasic	none listed	none listed	none listed

## Section 9: **Physical and Chemical Properties**

**Physical State:** Clear liquid

## Section 10: **Stability and Reactivity**

**Chemical Stability:** Stable

**Incompatibilities with Other Materials:** Potassium chloride is incompatible with potassium permanganate. Sodium chloride is incompatible with dichloromaleic anhydride + urea, Lithium, and nitrogen compounds. Potassium phosphate dibasic and monobasic may react violently with strong acids.

**Hazardous Decomposition Products:** Oxides of phosphorous, sodium oxide, oxides of potassium.

**Hazardous Polymerization:** Will not occur

## Section 11: **Toxicological Information**

**Route of Exposure:**

**Skin contact:** May cause mild skin irritation.

**Eye contact:** May cause eye irritation.

**Inhalation:** May be harmful if inhaled and irritating to mucus membranes and upper respiratory tract.

**Ingestion:** May be harmful if ingested.

## Section 12: **Ecological Information**

No information available.

**Section 13: Disposal Considerations**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Section 14: Transport Information**

**DOT:**

Not regulated as a hazardous material.

Non-hazardous for air transport.

**Section 15: Regulatory Information**

Not available

**Section 16: Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Manufacturer shall not be held liable for any damage resulting from handling or from contact with the above product.