

SAFETY DATA SHEET

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product identifier

Product name Pure & Conjugated Antibodies, Recombinant Proteins, Avidin, and Streptavidin

Product details

Purified monoclonal and polyclonal antibodies of mouse, hamster, goat, donkey or rabbit origin; and Antibody and Protein conjugates to the following molecules:

- Agarose (e.g. anti-DYKDDDDL tag (L5) affinity gel)
 - Alkaline phosphate (AKP)
 - Allophycocyanine (APC) and its tandem dyes APC/Cy5.5 and APC/Cy7
 - Biotin
 - Fluorescein isothiocyanate (FITC)
 - Phycoerythrin (R-PE) and its tandem dyes PE/Cy5, PE/Cy5.5, PE/Cy7 and PE/Dazzle™ 594
 - Alexa dyes including Alexa Fluor® 488, Alexa Fluor® 594, Alexa Fluor® 647 and Alexa Fluor® 700
 - Pacific Blue™ dye
 - Dylight™ dyes, including DyLight™ 594 and DyLight™ 649
 - Peridinin chlorophyll protein (PerCP) and its tandem including PerCP/Cy5.5
 - Brilliant Violet™ fluorophores including BV421™, BV510™, BV570™, BV605™, BV650™, BV711™ and BV785™
- All recombinant proteins (including Annexin V)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture Research use only

1.3. Supplier

Address SONY BIOTECHNOLOGY INC.
1730 North First Street, San Jose, CA 95112 U.S.A.
Telephone, fax, Voice: +1 800-275-5963, FAX: +1 408-352-4130,
email SBTcustomerservice@sonybiotechnology.com

1.4. Emergency telephone number

US: +1 800-275-5963 (6:00AM – 5:30PM PT, M-F)

2. Hazards Identification

2.1. Classification of the substance or mixture

GHS-US classification: Not classified.

2.2. Label elements

GHS-US labelling: No labelling applicable.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS US)

1 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

3. Composition/Information on Ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%	GHS-US classification
None by OSHA HazCom 2012 criteria.			

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4. First Aid Measures

4.1. Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact	Immediately remove contaminated clothes, and wash with soap and copious amounts of water. Get medical attention if irritation persists.
Eye contact	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
Ingestion	May cause respiratory tract irritation.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	May cause respiratory tract irritation.
Symptoms/injuries after skin contact	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	Products of combustion may include, and are not limited to: oxides of carbon.
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5.3. Advice for firefighters

Protection during firefighting	Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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6.2. Methods and material for containment and cleaning up

For containment	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	Scoop up material and place in a disposal container.

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Environmental exposure controls	Maintain levels below Community environmental protection thresholds.
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Other information	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.
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9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Colour	Colorless
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butylacetate=1)	No data available
Flammability (solid, gas)	Not flammable
Explosive limits	No data available
Explosive properties	No data available
Oxidising properties	No data available
Vapour pressure	No data available
Relative density	No data available
Relative vapour density at 20 °C	No data available
Solubility	No data available

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9.2. Other information No additional information available.

10. Stability and Reactivity

10.1. Reactivity No dangerous reaction known under conditions of normal use.

10.2. Chemical stability Stable under normal storage conditions.

10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Heat.

10.5. Incompatible materials None known.

10.6. Hazardous decomposition products May include, and are not limited to: oxides of carbon.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity Not classified.

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LD50 oral rat

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LD50 dermal rabbit

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LC50 inhalation rat

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Skin corrosion / skin irritation Based on available data, the classification criteria are not met.

Serious eye damage / eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation May cause respiratory tract irritation.

Symptoms/injuries after skin contact May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

12. Ecological Information

12.1. Toxicity

Ecology -general	This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.
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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming	No known ecological damage caused by this product.
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13. Disposal Considerations

13.1. Waste treatment methods

Waste disposal recommendations	This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
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14. Transport Information

14.1. Department of Transportation (DOT)

In accordance with DOT Not regulated for transport.

14.2. Additional information

Other information	No supplementary information available.
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Special transport precautions	Do not handle until all safety precautions have been read and understood.
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15. Regulatory Information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Phosphoric acid, monosodium salt, dihydrate	CAS No 13472-35-0
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15.2. US State regulations

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State or local regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
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16. Other Information

Date of issue 05/07/2015

Other information None.

This SDS was created in good faith based on our current knowledge at the time of creation and revision, but no warranty is made on the information, hazards, and toxicity data described. Prior to use, be sure to examine the latest information, rules, laws, and regulations of your country or region concerning hazards and harmful effects as well as regarding equipment to be used, and accord the highest priority to them.

The precautions described in this document assume normal handling of the product. When handling the product in an unconventional manner, be sure to take appropriate safety measures according to the situation and take sufficient precautions.

All chemical products should be handled assuming the presence of "unknown hazards and harmful effects" and with the knowledge that such hazards will vary greatly depending on the usage environment, handling method, and conditions and period of storage. All handling of the product, including use, unpacking, storage, and disposal, should be performed only by specialists with professional knowledge and experience or under close supervision of such qualified specialists. It is the sole responsibility of the user to ensure and provide proper safe use conditions.

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