



MATERIAL SAFETY DATA SHEET

Section 1: Identification

1.1, Product Identifier

Product name : Pure & conjugated antibodies

Product details : Purified monoclonal and polyclonal antibodies of mouse or rabbit origin;

And antibody conjugates to the following materials:

- Horseradish peroxidase (HRP)
- Fluorescein isothiocyanate (FITC)

Product number : Antibodies and antibody conjugates in the catalog

1.2, Relevant identified uses of the substances or mixture and uses advised against

Use of the substance/mixture : Research use only

1.3, Details of the supplier of the safety data sheet

Immune Century Inc

12111 Parklawn Drive,

Rockville, MD 20850

United States of American

Tel: 240-5431024

E-mail: contact@immunecentury.com

1.4, Emergency telephone number

Emergency number: 240-5431024

Section 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.

Section 3: Hazards Identification

3.1, Substance

Not applicable.

3.2, Mixture

None by OSHA HazCom 2012 criteria.

Section 4: First aid measures



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4.1, Description of first aid measures

Inhalation

Remove victim to fresh air. Get medical advice/attention if you feel unwell.

Skin contact

Remove immediately all contaminated clothes. Rinse skin with water/shower. Get medical attention if irritation persists.

Eye contact

In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Ingestion

After swallowing: make victim drink water (two glasses at most). Do NOT induce vomiting unless directed to do so by medical personnel. Consult doctor if feeling unwell. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Inhalation : May cause respiratory tract irritation.

Skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

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

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

No information available.

Section 5: Firefighting measures

5.1, Extinguishing media

Suitable extinguishing media: Water, Carbon dioxide (CO₂), Dry power.

Unsuitable extinguishing media: None known.

5.2, Special hazards arising from the substance of mixture

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

5.3, Advice for firefighters

Protection during firefighting: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)

Section 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.

6.2, Methods and material for containment and cleaning up



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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 enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container.

6.3, Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

Section 7: Handling and storage

7.1, Reference to other sections

Precaution for safe handling: Wear eye protection and compatible chemical-resistant gloves. Avoid breathing vapor or mist. Handle in accordance with good industrial hygiene and safety practice.

7.2, Condition for safe storage, including any incompatibilities

Storage condition: Keep container tightly closed and store according to product label.

7.3, Special end use(s)

Not available.

Section 8: Exposure control/personal protection

8.1, Exposure limit(s)

Contains no substances with occupational exposure limit values.

8.2, Exposure control

Engineering control: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Personal protection: Hand protection: Wear compatible chemical-resistant gloves.

Eye protection: Wear safety glasses or goggles.

Skin and body protection: Wear Lab coat.

Respiratory protection: Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls: Maintain levels below community environmental protection thresholds.

Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Change contaminated clothing. Handle according to established industrial hygiene and safety practices.

Section 9: Physical and chemical properties

Physical state: Liquid

Appearance: Clear

Color: Colorless

Odor: No data available

Odor threshold: No data available

pH: No data available



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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 vapor density at 20°C: No data available
Solubility: Not applicable
Partition coefficient: n-octanol/water: No data available
Log Kow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, dynamic: No data available

Section 10: Stability and reactivity

10.1, Reactivity

No dangerous reaction known under normal use.

10.2, Chemical stability

Stable under normal storage condition.

10.3, Possibility of hazardous reactions

Dangerous reactions are not expected handling the product according to its intended use.

10.4, Condition to avoid

Heat.

10.5, Incompatible materials

No information available.

10.6, Hazardous decomposition products

May include, and are not limited to: oxides of carton.

Section 11: Toxicological information

11.1, Information on toxicological effects

Acute toxicity: Not classified.

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

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

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

Germ cell mutagenicity: 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.



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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.

11.2, Carcinogenicity

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

Section 12: Ecological Information

12.1, Ecotoxicity

No information available.

12.2, Persistence and degradability

No information available.

12.3, Bioaccumulative potential

No information available.

12.4, Mobility in soil

No information available.

Section 13: Disposal considerations

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: Transport information

Land transport (DOT): Not dangerous goods.

Air transport (IATA): Not dangerous goods.

Sea transport (IMDG): Not dangerous goods.

RID/ADR: Not regulated.

Section 15: Regulatory information

15.1, US Federal regulations

TSCA (Toxic Substances Control Act): Not applicable.

SARA 313: Not applicable.

SARA 311/312: Not applicable.

CERCLA Reportable Quantity: Not applicable.

15.2, US State regulations



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California Proposition 65 components:

The products do not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16: Other information

Date of issue: 12/10/2017

Other information: None.

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