

## SAFETY DATA SHEET

In accordance with ISO 11014: 2009

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### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Product identifier**

Product code 2-BP-002  
Product name Biotinylated Rabbit Anti-BSA Polyclonal Antibody

**Manufacture/supplier**

Manufacture/supplier Institute of Tokyo Environmental Allergy, ITEA Inc.  
Department in Charge Quality Assurance Sec.  
Address 1-33-18 Hakusan Bunkyo-ku Tokyo, 113-0001 Japan  
Telephone number +81-3-3526-2031  
Fax number +81-3-3526-2032  
e-mail address reag-info@itea.jp  
Emergency telephone number +81-3-3526-2031

**Recommended use and restriction on use**

Recommended use Research reagent  
Restrictions on use This product should not be used for applications other than those recommended.

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### Section 2: HAZARDS IDENTIFICATION

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**Important hazards****GHS classification**

**Physical Hazards** Not classified  
**Health Hazards** Not classified  
**Environmental Hazards** Not classified

**Label Elements**

Pictogram Not classified  
Signal word Not classified  
Hazard Statements Not classified  
Precautionary Statements Not classified

**Other hazards** No information

**Important symptoms and an outline of an anticipated emergency**

No information

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### Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

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**Substance/Mixture**

Mixture

**Compositions**

Chemical name/ Generic name	CAS number	Concentration (wt %)
Sodium chloride	7647-14-5	65.78
Sodium phosphate dibasic heptahydrate	7782-85-6	22.02
ProClin™ 950	-	4.33
Biotinylated anti-BSA polyclonal antibody	-	4.24
Potassium dihydrogenphosphate	7778-77-0	1.97
Potassium chloride	7447-40-7	1.66

**Special remarks**

ProClin™ 950 includes the following:

2-Methyl-4-isothiazolin-3-one (CAS number: 2682-20-4) < 10% (< 0.42% in this product)

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**Section 4: FIRST-AID MEASURES**

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**First aid procedures**

IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN	If you feel unwell, get medical advice/attention immediately and at rest. Rinse with plenty of water.
IF IN EYES	If abnormality, immediately get medical advice/attention. Immediately rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED	Immediately get medical advice/attention. Rinse mouth. Immediately get medical advice/attention.

**Anticipated acute effects, anticipated delayed effects and most important symptoms/effects**

May cause skin, eyes and respiratory system irritation or cause allergic reaction if contact with or inhaled this product.

**Protection of first-aiders**

Wear appropriate eyes and skin protective equipment.

**Note to an attending physician**

No information

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**Section 5: FIRE-FIGHTING MEASURES**

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**Extinguishing media****Suitable extinguishing media**

In case of fire, use water spray, dry extinguishant, fire foam or carbon dioxide.

**Unsuitable extinguishing media**

No restrictions on extinguishing media for this product.

**Specific hazards arising from the chemical**

Take action from windward.  
Keep out except responsible personnel.  
Move container to a safe area if it can be done without risk.

**Protective equipment and precautions for firefighters**

Fire fighters should wear appropriate protective equipment and fireproof clothing.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

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**Personal precautions**

Wear suitable protective equipment described in section "Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION".

**Environmental precautions**

Prevent to flowing into drains, sewers, basements or closed areas.

**Methods and materials for containment and cleaning up**

Sweep up scattered materials or vacuum them using a vacuum cleaner so as not to cause dust then collect them into an empty container.

**Secondary disaster prevention measures**

No information

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**Section 7: HANDLING AND STORAGE**

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### Handling

Technical measures	Install appropriate equipment and wear suitable protective apparatus described in section "Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION".
Precautions such as local /total ventilation	Handle the product in a well-ventilated area. In case of mist/vapours generation, use local ventilation.
Precautions for safe handling	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid the generation of dust.
Prevention of contact	Avoid direct sunlight or high temperature and high humidity.

### Storage

Technical measures	Store in a biomedical refrigerator at 2 - 8°C.
Incompatible materials and mixtures	No information
Conditions for safe storage	Avoid sunlight. Store in a cool place at 2 - 8°C.
Packing material	Glass

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## Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Permissible concentration

#### Occupational Exposure Limits

ACGIH TLV-TWA (2018)	3 mg/m <sup>3</sup>	(respirable particles)
	10 mg/m <sup>3</sup>	(inhalable particles)
ACGIH TLV-STEL (2018)	Not applicable	

\* This item is not an acceptable concentration for sensitization.

### Engineering controls

In a work place where dusts generate, ensure to use sealed instrument or local ventilation.

### Personal protective equipment

Respiratory protection	Wear an appropriate protective mask.
Hand protection	Wear protective gloves.
Eye protection	Wear safety glasses .
Skin and body protection	Wear a lab coat.

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance (physical state, form and colour)	Light brown or white powder
Odour	No information
Odour threshold	No information
pH	7.2 - 7.6 (after dissolving with distilled water)
Melting point/ freezing point	No information
Boiling point, initial boiling point and boiling range	No information
Flashpoint	No information
Evaporation rate	No information
Flammability	No information
Upper/lower explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Specific gravity	No information
Solubility	This product dissolves in water, but it may cause turbidity.
<i>n</i> -octanol/water partition coefficient	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information
Other information	No information

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## Section 10: STABILITY AND REACTIVITY

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<b>Chemical stability</b>	Stable under normal handling condition.
<b>Hazardous reactions</b>	No hazardous reaction expected under normal handling.
<b>Conditions to avoid</b>	Direct sunlight, high temperature and high humidity
<b>Incompatible materials</b>	No information
<b>Hazardous decomposition products</b>	No information

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**Section 11: TOXICOLOGICAL INFORMATION**


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<b>Toxicological information for product</b>	No information
<b>Toxicological information for ingredients</b>	No information

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**Section 12: ECOLOGICAL INFORMATION**


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<b>Ecological information for product</b>	
Ecotoxicity	No information
Persistence and degradability	No information
Bioaccumulative potential	No information
Mobility in soil	No information
Hazardous to the ozone layer	No information
<b>Ecological information for ingredients</b>	No information

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**Section 13: DISPOSAL CONSIDERATIONS**


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**Remaining product**

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

**Contaminated containers and packaging**

When dispose of empty containers, contents should be removed completely and be recycled or dispose of in compliance with related laws and local regulations.

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**Section 14: TRANSPORT INFORMATION**


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**International regulation**

UN number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Subsidiary risk	Not applicable
Packing group	Not applicable
Marine pollutant	Not applicable
IBC Code	Not applicable

When transporting, confirm no damage to containers. Avoid handling violently or leaking wet. Load to prevent fall or falling down containers and take preventive measures of collapse.

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**Section 15: REGULATORY INFORMATION**


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**US Federal regulation**

TSCA inventory:	Registered	Sodium chloride Potassium dihydrogenphosphate Potassium chloride 3(2H)-Isothiazolone, 2-methyl-
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**EU regulation**

The product and its ingredients are not regulated by specific provisions related to protection of human health or the environment at EU level, e.g. not considered as SVHCs or POPs.

(EC) 1272/2008 (Annex VI, Table 3):	Not Listed
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**Section 16: OTHER INFORMATION**

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**Reference**

Information of Institute of Tokyo Environmental Allergy, ITEA Inc.

NITE GHS classification results (<http://www.safe.nite.go.jp/ghs/list.html>). (2018)

ACGIH, American Conference of Governmental Industrial Hygienists (2018) TLVs and BEIs.

**[Disclaimer]**

This SDS has been prepared on the basis of laws, regulations and information available at this time. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.