

27203 Human GIP, Total Assay Kit - IBL  
27700 GLP-1 Active form (High sensitivity) Assay Kit  
27701 Mouse GIP, Total (high sensitivity) Assay Kit  
27703 Rat GIP, Total (high sensitivity) Assay Kit - IBL  
27788 GLP-1 (9-36/37) Assay Kit - IBL  
27795 Human ANGPTL8 Assay Kit  
27797 Glucagon ELISA Kit - IBL

SDS for the following enclosed components

- Labeled antibody conc.
- EIA Buffer
- Solution for Labeled antibody
- Wash buffer Conc.
- Chromogen
- Stop solution

**Version information**

Issue date: 24-Dec-2025	Version: 1 (replaces version -)	Revision: -
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

"EIA Buffer" for the product listed on the front cover.

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

Research Use Only.

**Uses advised against**

All other uses not recommended above.

**1.3. Details of the supplier of the safety data sheet****Manufacturer/Supplier**

Immuno-Biological Laboratories Co., Ltd.

1091-1 Naka, Fujioka-shi, Gunma 375-0005, JAPAN

TEL: +81 (0)274-50-8666 FAX: +81 (0)274-23-6055

E-Mail: [do-ibl@ibl-japan.co.jp](mailto:do-ibl@ibl-japan.co.jp)

**Responsible person for that member state**

Not applicable.

**1.4. Emergency telephone number****Telephone number:**

+81 (0)274-50-8666 (available only during business hours from Monday – Friday 8:00 – 12:00 and 13:00 – 17:00) Except public holidays (JST)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]**

Aquatic Chronic 2; H411

Skin Sens. 1A; H317

Full text of H-statements: see section 16.

**The most important adverse physical, human health and environmental effects**

Causes serious eye irritation.

May cause an allergic skin reaction.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms: GHS07, GHS09



**Signal word:** Warning

**Hazard statements:**

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects

**Precautionary statements:**

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage

### 2.3. Other hazards

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Contains a known or suspected endocrine disruptor.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Product identifier Substance name	CAS RN® EC Index-No.	Conc.	Specific Conc. Limits, M-factors and ATE
EIA Buffer	55965-84-9	Less than 0.05 v/v %	Skin Corr. 1C; H314: C ≥ 0,6 % Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 % Eye Dam. 1; H318: C ≥ 0,6 % Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 % Skin Sens. 1A; H317: C ≥ 0,0015 % M = 100 M = 100 EUH071
	613-167-00-5		
EIA Buffer	9016-45-9	≤ 1 v/v %	Aquatic Acute 1; H400 Aquatic Chronic1; H410 M = 1 M = 10
	500-024-6		
nonylphenyl ether			

※The above "Conc." values are not product specifications.

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

**After skin contact**

Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.

**After eye contact**

Rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor if you feel unwell.

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

Respiratory difficulties after inhalation. Skin irritation after skin contact. eye irritation after eye contact. harmful after ingestion.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing agents**

Use fire extinguishing methods suitable to surrounding conditions.

**Unsuitable extinguishing media**

For this mixture no limitations of extinguishing agents are given.

**5.2. Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

Not combustible.

Ambient fire may liberate hazardous vapours.

**5.3. Advice for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Protective equipment : Concerning personal protective equipment to use, see section 8.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, vapours, spray.

**For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment.

For further information refer to section 8: "Exposure controls/person.

**6.2. Environmental precautions**

Do not let product enter drains.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding materials, e.g.: sand, saw dust. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

**6.4. Reference to other sections**

See section 8 for information on personal protection equipment. See section 13 for disposal information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Recommendations**

Ensure good ventilation / exhaustion at the workplace. Prevent formation of aerosols. Avoid contact with eyes and skin. Wear personal protective equipment.

**Advice on general occupational hygiene**

Do not eat, drink or smoke in work areas. Wash hands after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2. Conditions for safe storage, including any incompatibilities**

Tightly close the container, store in dry, cool and well-ventilated areas. See instructions for use for more information.

**7.3. Specific end use(s)**

Research Use Only.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

The product does not contain any relevant quantities of materials with critical value that have to be monitored at the workplace.

**8.2. Exposure controls****Appropriate engineering controls:**

Ensure good ventilation of the workstation. Keep the workspace clean and tidy as much as possible.

**Personal protective equipment:**

Eye/face protection: Use safety glasses for eye protection.

Skin protection: Wear suitable protective clothing or a lab coat and gloves.

Respiratory protection: No additional information available.

Thermal hazards: No additional information available.

**Environmental exposure controls:**

See section 13.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Odourless
<b>Melting point/freezing point</b>	No data available
<b>Boiling point or initial boiling point and boiling range</b>	No data available
<b>Flammability</b>	No data available
<b>Lower and upper explosion limit</b>	No data available
<b>Flash point</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>pH</b>	Neutral
<b>Kinematic viscosity</b>	No data available
<b>Solubility</b>	Fully miscible with water.
<b>Partition coefficient n-octanol/water (log value)</b>	Not applicable
<b>Vapour pressure</b>	No data available
<b>Density and/or relative density</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Particle characteristics</b>	Not applicable

**9.2. Other information**

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is chemically stable under standard storage conditions.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 [CLP]**

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory sensitisation	No data available
Skin sensitisation	Mixture may produce an allergic reaction.
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

**11.2. Information on other hazards**

No data available.

**SECTION 12: Ecological information****12.1. Toxicity**

Acute aquatic toxicity	Not applicable
Chronic aquatic toxicity	Toxic to aquatic life with long lasting effects

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6. Endocrine disrupting properties**

Contains a known or suspected endocrine disruptor.

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Disposal must be done according to applicable local, state, and federal regulations.

Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Dirty containers cannot be handled as normal waste.

**SECTION 14: Transport information****14.1. UN number or ID number**

ADR/RID, IMDG and IATA: Not applicable.

**14.2. UN proper shipping name**

ADR/RID, IMDG and IATA: Not applicable.

**14.3. Transport hazard class(es)**

ADR/RID, IMDG and IATA: Not applicable.

**14.4. Packing group**

ADR/RID, IMDG and IATA: Not applicable.

**14.5. Environmental hazards**

ADR/RID, IMDG and IATA: Not applicable.

**14.6. Special precautions for user**

No data available.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. [REACH]

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****Indication of changes**

Section	Change item	Change	Comment
—	—	—	Newly Established

The safety data sheet is 1st version. (Newly Established).

**Full text of H and EUH Statements**

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH071	Corrosive to the respiratory tract

**Abbreviations and acronyms**

<b>ATE</b>	Acute Toxicity Estimates
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>CLP</b>	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
<b>IATA</b>	The International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IMO</b>	The International Maritime Organization
<b>JST</b>	Japanese Standard Time (UTC + 9)
<b>PBT</b>	Persistent Bioaccumulative and Toxic
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation; (EC) No 1907/2006
<b>RID</b>	The Regulation concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>vPvB</b>	Very Persistent and Very Bioaccumulative

**References and sources**

- REACH: Regulation (EC) No 1907/2006
- CLP: Regulation (EC) No 1272/2008

**List of relevant statements**

Statement	Full text
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, Category 1A

**Training advice**

Normal use of this product shall imply use in accordance with the instructions on the data sheet and packaging.

This SDS is a work created by Immuno-Biological Laboratories Co., Ltd. (located in Japan) in accordance with REACH and CLP regulations. The contents are for use when the product is used appropriately for the relevant identified uses. If the product is used for purposes other than the relevant identified uses or if it is handled in a special manner, please implement safety measures appropriate to the circumstances of use.

This SDS was created based on the latest information at the time of its creation but does not include all information. All products may have unknown hazards, so please handle with care.

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(End of safety data sheet.)

**Version information**

Issue date: 24-Dec-2025	Version: 1 (replaces version -)	Revision: -
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

"Chromogen" for the products listed on the front covers(Page1～2).

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

Research Use Only.

**Uses advised against**

All other uses not recommended above

**1.3. Details of the supplier of the safety data sheet****Manufacturer/Supplier**

Immuno-Biological Laboratories Co., Ltd.

1091-1 Naka, Fujioka-shi, Gunma 375-0005, JAPAN

TEL: +81 (0)274-50-8666 FAX: +81 (0)274-23-6055

E-Mail: [do-ibl@ibl-japan.co.jp](mailto:do-ibl@ibl-japan.co.jp)

**Responsible person for that member state**

Not applicable.

**1.4. Emergency telephone number****Telephone number:**

+81 (0)274-50-8666 (available only during business hours from Monday – Friday 8:00 – 12:00 and 13:00 – 17:00 ) Except public holidays (JST)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]**

The product is not classified according to the CLP regulation.

**The most important adverse physical, human health and environmental effects**

No data available.

**2.2. Label elements****Labelling according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard pictogram:** none.

**Signal word:** none.

**Hazard statements:** none.

**Precautionary statements:** none.

**2.3. Other hazards**

This mixture contains no components considered to be either persistent, bioaccumulative and

toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

Contains no declarable substances.

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

**After skin contact**

Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.

**After eye contact**

Rinse immediately with plenty of water and seek medical advice. Get medical advice if eye irritation persists.

**After ingestion**

Rinse mouth out with water. Drink plenty of water. Keep under surveillance. Call a doctor if you feel unwell.

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

Skin irritation after skin contact. Eye irritation after eye contact. Gastrointestinal irritation after ingestion.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing agents**

Use fire extinguishing methods suitable to surrounding conditions.

**Unsuitable extinguishing media**

For this mixture no limitations of extinguishing agents are given.

**5.2. Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

Not combustible.  
Ambient fire may liberate hazardous vapours.

### 5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Concerning personal protective equipment to use, see section 8.

#### For emergency responders

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/person".

### 6.2. Environmental precautions

Do not let product enter drains.

### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding materials, e.g.: sand, saw dust. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

### 6.4. Reference to other sections

See section 8 for information on personal protection equipment. See section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Recommendations

Ensure good ventilation / exhaustion at the workplace. Prevent formation of aerosols. Avoid contact with eyes and skin. Wear personal protective equipment.

#### Advice on general occupational hygiene

Do not eat, drink or smoke in work areas. Wash hands after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in dry, cool and well-ventilated areas. See instructions for use for more information.

### 7.3. Specific end use(s)

Research Use Only.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

The product does not contain any relevant quantities of materials with critical value that have to be monitored at the workplace.

**8.2. Exposure controls****Appropriate engineering controls:**

Ensure good ventilation of the workstation. Keep the workspace clean and tidy as much as possible.

**Personal protective equipment:**

Eye/face protection: Use safety glasses for eye protection.

Skin protection: Wear suitable protective clothing or a lab coat and gloves.

Respiratory protection: No additional information available.

Thermal hazards: No additional information available.

**Environmental exposure controls:**

See section 13.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Odourless
<b>Melting point/freezing point</b>	No data available
<b>Boiling point or initial boiling point and boiling range</b>	~100°C
<b>Flammability</b>	No data available
<b>Lower and upper explosion limit</b>	No data available
<b>Flash point</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>pH</b>	Neutral
<b>Kinematic viscosity</b>	No data available
<b>Solubility</b>	Completely soluble in water
<b>Partition coefficient n-octanol/water (log value)</b>	Not applicable
<b>Vapour pressure</b>	~2.3 hPa, 20°C
<b>Density and/or relative density</b>	~1 g/cm <sup>3</sup>
<b>Particle characteristics</b>	Not applicable

**9.2. Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is chemically stable under standard storage conditions.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Lightning, excessive heating and freezing.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 [CLP]**

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/irritation</b>	No data available
<b>Respiratory sensitisation</b>	No data available
<b>Skin sensitisation</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>STOT-single exposure</b>	No data available
<b>STOT-repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

**11.2. Information on other hazards**

No additional information available.

**SECTION 12: Ecological information****12.1. Toxicity**

Acute aquatic toxicity	No data available
Chronic aquatic toxicity	No data available

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Disposal must be done according to applicable local, state, and federal regulations.

Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Dirty containers cannot be handled as normal waste.

**SECTION 14: Transport information****14.1. UN number or ID number**

ADR/RID, IMDG and IATA: Not applicable.

**14.2. UN proper shipping name**

ADR/RID, IMDG and IATA: Not applicable.

**14.3. Transport hazard class(es)**

ADR/RID, IMDG and IATA: Not applicable.

**14.4. Packing group**

ADR/RID, IMDG and IATA: Not applicable.

**14.5. Environmental hazards**

ADR/RID, IMDG and IATA: Not applicable.

**14.6. Special precautions for user**

No data available.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. [REACH]

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****Indication of changes**

Section	Change item	Change	Comment
—	—	—	Newly Established

The safety data sheet is 1st version. (Newly Established).

**Full text of H and EUH Statements**

No H and EUH statements are used on this SDS.

**Abbreviations and acronyms**

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>CLP</b>	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
<b>IATA</b>	The International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IMO</b>	The International Maritime Organization
<b>JST</b>	Japanese Standard Time (UTC + 9)
<b>PBT</b>	Persistent Bioaccumulative and Toxic
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation; (EC) No 1907/2006
<b>RID</b>	The Regulation concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>vPvB</b>	Very Persistent and Very Bioaccumulative

**References and sources**

- REACH: Regulation (EC) No 1907/2006

- CLP: Regulation (EC) No 1272/2008

**List of relevant statements**

No relevant statements are written out.

**Training advice**

Normal use of this product shall imply use in accordance with the instructions on the data sheet and packaging.

This SDS is a work created by Immuno-Biological Laboratories Co., Ltd (located in Japan) in accordance with REACH and CLP regulation. The contents are for use when the product is used appropriately for the relevant identified uses. If the product is used for purposes other than the relevant identified uses or if it is handled in a special manner, please implement safety measures appropriate to the circumstances of use.

This SDS was created based on the latest information at the time of its creation but does not include all information. All products may have unknown hazards, so please handle with care.

(End of safety data sheet.)

**Version information**

Issue date: 24-Dec-2025	Version: 1 (replaces version -)	Revision: -
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

"Stop solution" for the products listed on the front covers(Page1~2).

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

Research Use Only.

**Uses advised against**

All other uses not recommended above.

**1.3. Details of the supplier of the safety data sheet****Manufacturer/Supplier**

Immuno-Biological Laboratories Co., Ltd.

1091-1 Naka, Fujioka-shi, Gunma 375-0005, JAPAN

TEL: +81 (0)274-50-8666 FAX: +81 (0)274-23-6055

E-Mail: [do-ibl@ibl-japan.co.jp](mailto:do-ibl@ibl-japan.co.jp)

**Responsible person for that member state**

Not applicable.

**1.4. Emergency telephone number****Telephone number:**

+81 (0)274-50-8666 (available only during business hours from Monday – Friday 8:00 – 12:00 and 13:00 – 17:00 ) Except public holidays (JST)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]**

The product is not classified according to the CLP regulation.

**The most important adverse physical, human health and environmental effects**

No data available.

**2.2. Label elements****Labelling according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard pictogram:** none.

**Signal word:** none.

**Hazard statements:** none.

**Precautionary statements:** none.

**2.3. Other hazards**

This mixture contains no components considered to be either persistent, bioaccumulative and

toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable.

#### 3.2. Mixtures

Product identifier Substance name	CAS RN®	Conc.	Specific Conc. Limits, M-factors and ATE
	EC Index-No.		
Stop solution	7664-93-9	Less than 5 v/v %	Skin Corr. 1A: H314 C ≥ 15 %
	231-639-5		Skin Irrit. 2: H315 5 % ≤ C < 15 % Eye Irrit. 2: H319 5 % ≤ C < 15 %

※The above "Conc." values are not product specifications.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

##### After skin contact

Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.

##### After eye contact

Rinse immediately with plenty of water and seek medical advice.

##### After ingestion

Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor if you feel unwell.

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

Respiratory difficulties after inhalation. Skin irritation after skin contact. eye irritation after eye contact. harmful after ingestion.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing agents

Use fire extinguishing methods suitable to surrounding conditions.

**Unsuitable extinguishing media**

For this mixture no limitations of extinguishing agents are given.

**5.2. Special hazards arising from the substance or mixture**

Release of harmful / irritant gases / vapours, sulphur oxides.

**5.3. Advice for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Protective equipment : Concerning personal protective equipment to use, see section 8.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, vapours, spray.

**For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment.

For further information refer to section 8: "Exposure controls/person".

**6.2. Environmental precautions**

Do not let product enter drains.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers / surface or ground water.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding materials, e.g.: sand, saw dust. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

**6.4. Reference to other sections**

See section 8 for information on personal protection equipment. See section 13 for disposal information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Recommendations**

Ensure good ventilation / exhaustion at the workplace. Prevent formation of aerosols. Avoid contact with eyes and skin. Wear personal protective equipment.

**Advice on general occupational hygiene**

Do not eat, drink or smoke in work areas. Wash hands after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in dry, cool and well-ventilated areas. See instructions for use for more information.

**7.3. Specific end use(s)**

Research Use Only.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

The product does not contain any relevant quantities of materials with critical value that have to be monitored at the workplace.

**8.2. Exposure controls****Appropriate engineering controls:**

Ensure good ventilation of the workstation. Keep the workspace clean and tidy as much as possible.

**Personal protective equipment:**

Eye/face protection: Use safety glasses for eye protection.

Skin protection: Wear suitable protective clothing or a lab coat and gloves.

Respiratory protection: No additional information available.

Thermal hazards: No additional information available.

**Environmental exposure controls:**

See section 13.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Odourless
<b>Melting point/freezing point</b>	No data available
<b>Boiling point or initial boiling point and boiling range</b>	No data available
<b>Flammability</b>	No data available
<b>Lower and upper explosion limit</b>	No data available
<b>Flash point</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>pH</b>	≤2 (Strong acidity)
<b>Kinematic viscosity</b>	No data available
<b>Solubility</b>	Fully miscible with water.
<b>Partition coefficient n-octanol/water</b>	Not applicable

(log value)	
<b>Vapour pressure</b>	No data available
<b>Density and/or relative density</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Particle characteristics</b>	Not applicable

## 9.2. Other information

### Information with regard to physical hazard classes

This product is corrosive to metals.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is chemically stable under standard storage conditions.

### 10.3. Possibility of hazardous reactions

Reacts violently with metals.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Metals.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 [CLP]

<b>Acute toxicity</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>Skin corrosion/irritation</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>Serious eye damage/irritation</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>Respiratory or skin sensitisation</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>Germ cell mutagenicity</b>	Not classified (Based on available data, the classification criteria are not met.)

<b>Carcinogenicity</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>Reproductive toxicity</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>STOT-single exposure</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>STOT-repeated exposure</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>Aspiration hazard</b>	Not classified (Based on available data, the classification criteria are not met.)

#### 11.2. Information on other hazards

Repeated or prolonged skin contact may cause irritation (strong acidity).  
Slight eye irritant upon direct contact (strong acidity).

### SECTION 12: Ecological information

#### 12.1. Toxicity

<b>Acute aquatic toxicity</b>	Not classified (Based on available data, the classification criteria are not met.)
<b>Chronic aquatic toxicity</b>	Not classified (Based on available data, the classification criteria are not met.)

#### 12.2. Persistence and degradability

Not applicable for inorganic substances.

#### 12.3. Bioaccumulative potential

Not applicable for inorganic substances.

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6. Endocrine disrupting properties

No data available.

#### 12.7. Other adverse effects

Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 13:Disposal considerations****13.1. Waste treatment methods**

Disposal must be done according to applicable local, state, and federal regulations.

Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Dirty containers cannot be handled as normal waste.

**SECTION 14:Transport information****14.1. UN number or ID number**

ADR/RID, IMDG and IATA: Not applicable.

**14.2. UN proper shipping name**

ADR/RID, IMDG and IATA: Not applicable.

**14.3. Transport hazard class(es)**

ADR/RID, IMDG and IATA: Not applicable.

**14.4. Packing group**

ADR/RID, IMDG and IATA: Not applicable.

**14.5. Environmental hazards**

ADR/RID, IMDG and IATA: Not applicable.

**14.6. Special precautions for user**

No data available.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

**SECTION 15:Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No.

1907/2006. [REACH]

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16:Other information****Indication of changes**

Section	Change item	Change	Comment
—	—	—	Newly Established

The safety data sheet is 1<sup>st</sup> version. (Newly Established).

**Full text of H and EUH Statements**

No H and EUH statements are used on this SDS.

**Abbreviations and acronyms**

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>CLP</b>	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
<b>IATA</b>	The International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IMO</b>	The International Maritime Organization
<b>JST</b>	Japanese Standard Time (UTC + 9)
<b>PBT</b>	Persistent Bioaccumulative and Toxic
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation; (EC) No 1907/2006
<b>RID</b>	The Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>SVHC</b>	Substances of Very High Concern
<b>vPvB</b>	Very Persistent and Very Bioaccumulative

**References and sources**

- REACH: Regulation (EC) No 1907/2006
- CLP: Regulation (EC) No 1272/2008

**List of relevant statements**

Statement	Full text
Eye Irrit. 2	Serious eye damage / eye irritation, Category 2
Skin Corr. 1A	Skin corrosion / irritation, Category 1, sub-Category 1A
Skin Irrit. 2	Skin corrosion / irritation, Category 2

**Training advice**

Normal use of this product shall imply use in accordance with the instructions on the data sheet and packaging.

This SDS is a work created by Immuno-Biological Laboratories Co., Ltd (located in Japan) in accordance with REACH and CLP regulation. The contents are for use when the product is used appropriately for the recommended purposes. If the product is used for purposes other than the recommended purposes or if it is handled in a special manner, please implement safety measures appropriate to the circumstances of use.

This SDS was created based on the latest information at the time of its creation but does not include all information. All products may have unknown hazards, so please handle with care.

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(End of safety data sheet.)