



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name:

1. Angiotensin-I-Biotin Conjugate
2. Streptavidin-Horseradish Peroxidase Conjugate Concentrate
3. Angiotensin-I Calibrators A, B, C, D, E, F, G & H
4. Control Low & High
5. Assay Buffer

Product Code: Not available.

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

Use: To be used as a component with the Plasma Renin Activity ELISA kit according to the instructions provided with the kit.

1.3 Details of the supplier of the safety data sheet

Address: Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave NE, Suite P
Minneapolis, MN 55432
Toll Free: (888) 523-1246
Fax: (763) 780-2988
www.ibl-america.com
info@ibl-america.com

1.4 Emergency telephone number

Emergency Telephone Number: In the event of a medical emergency, please dial 911.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

This preparation is classified as not dangerous according to CLP (EC) No 1272/2008.

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

This preparation is classified as not dangerous according to Directive 1999/45/EC.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
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2.2 Label elements

Labeling in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard Pictogram:	Not applicable.
Signal Word:	Not applicable.
Hazard Statement:	Not applicable.
Precaution:	Not applicable.
Prevention:	Not applicable.
Response:	Not applicable.
Storage:	Not applicable.
Disposal:	Not applicable.
Additional Hazards:	Not applicable.

2.3 Other hazards

PBT & vPvB: See section 12.5 for more detailed information on PBT and vPvB.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Classification according to Regulation (EC) No 1272/2008 (CLP)

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
None by (EC) No 1272/2008 (CLP) criteria.					

Classification according to 67/548/EEC

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
None by 67/548/EEC criteria.					

Full text of R-, H- and EUH- phrases: see section 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn. If eye irritation persists: Get medical advice/attention.
- Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Inhalation:** May cause respiratory tract irritation.
- 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

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable Extinguishing Media:** Treat for surrounding material.
- Unsuitable Extinguishing Media:** None known.



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5.2 Special hazards arising from the substance or mixture

Products of Combustion: May include, and are not limited to: oxides of carbon.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes. Do not breathe vapour or mist.

6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3 Methods and material for containment and cleaning up

Methods 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. Provide ventilation.

6.4 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 Precautions for safe handling

Handling: Users should have a thorough understanding how to use this product. Do not breathe gas/fumes/ vapor/spray. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. (See section 8).

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
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7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Product should be at room temperature and mixed gently but thoroughly before use. Do not use any component beyond the expiration date printed on the label. Unused chemicals should not be returned to the container. (See section 10)

7.3 Specific end use(s)

End uses: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	UK - Occupational Exposure Limits (TWA)
	Not applicable.

8.2 Exposure controls

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection:

Hand Protection: Wear solvent resistant gloves.

Body Protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Health & Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Environmental Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not available.
Color:	Not available.
Odour:	Not available.
Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	Not available.
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability:	Not Flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	Not available.
Solubility:	Not available.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive Properties:	Not available.



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Oxidizing Properties: Not available.

9.2 Other information

Not available.

SECTION 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. Incompatible materials.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Acute Health Effects:

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.



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Inhalation: May cause respiratory tract irritation.

Acute Toxicity:

Ingredient	LC50	LD50
Not applicable.		

1% of Angiotensin-I-Biotin Conjugate consists of ingredient(s) of unknown toxicity.
100% of Streptavidin-Horseradish Peroxidase Conjugate Concentrate consists of ingredient(s) of unknown toxicity.
3% of Angiotensin-I Calibrators A, B, C, D, E, F, G & H and Controls Low & High consists of ingredient(s) of unknown toxicity.
0.7% Assay Buffer consists of ingredient(s) of unknown toxicity.

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

STOT-Single Exposure: Based on available data, the classification criteria are not met.

Chronic Health Effects:

Carcinogenicity: This product is not classified as a carcinogen.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity:

Developmental: This product does not contain known reproductive or developmental toxins.

Fertility: No known significant effects or critical hazards.

STOT-Repeated Exposure: Based on available data, the classification criteria are not met.

Aspiration Hazard: Not expected to occur.

Other Information: Not available.

SECTION 12: Ecological information Section

12.1 Toxicity

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

Ingredient	Aquatic Toxicity
Not applicable.	



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0.8% of Angiotensin-I-Biotin Conjugate consists of ingredient(s) of unknown aquatic hazards.

100% of Streptavidin-Horseradish Peroxidase Conjugate Concentrate consists of ingredient(s) of unknown aquatic hazards.

99% of Angiotensin-I Calibrators A, B, C, D, E, F, G & H and Controls Low & High consists of ingredient(s) of unknown aquatic hazards.

99% Assay Buffer consists of ingredient(s) of unknown aquatic hazards.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Bioaccumulation: Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

PBT results: A PBT assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as PBT.

vPvB results: A vPvB assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as vPvB.

12.6 Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Other disposal recommendations: Not available.

SECTION 14: Transport information

14.1 UN number

Not regulated.

Trade Name: Angiotensin-I-Biotin Conjugate, Streptavidin-Horseradish Peroxidase Conjugate Concentrate, Angiotensin-I Calibrators A, B, C, D, E, F, G & H, Control Low & High, Assay Buffer

Product No: Not available.

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Revision date: 2012-08-13

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14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Do not handle until all safety precautions have been read and understood.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations and/or restrictions on use:

This Safety Data Sheet classification and labeling have been determined according to the (EC) No. 1272-2008 "Classification, Labeling and Packaging" regulation; as well as the EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other information

Date of Preparation: August 13, 2012

Version: 1.0

Revision Date: August 13, 2012

Revised Changes: None.



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Relevant R-, H- and EUH- Phrases:

Not applicable.

Legend:

PBT - Persistent, Bioaccumulative and Toxic

vPvB - very Persistent and very Bioaccumulative

CAS No - Chemical Abstracts Service Number

EC No - European Commission Number

REACH No - Registration, Evaluation, Authorisation and restriction of Chemicals Number

STOT Specific target organ toxicity

logK_{ow} - Partition coefficient n-octanol/water

BCF - Bioconcentration Factor

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Prepared by:

Nexreg Compliance Inc.

Phone: (519) 488-5126

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End of Safety Data Sheet



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: Generation Buffer

Product Code: Not available.

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

Use: To be used as a component with the Plasma Renin Activity ELISA kit according to the instructions provided with the kit.

1.3 Details of the supplier of the safety data sheet

Address: **Immuno-Biological Laboratories, Inc. (IBL-America)**
8201 Central Ave NE, Suite P
Minneapolis, MN 55432
Toll Free: (888) 523-1246
Fax: (763) 780-2988
www.ibl-america.com
info@ibl-america.com

1.4 Emergency telephone number

Emergency Telephone Number: In the event of a medical emergency, please dial 911.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard class		Hazard Statement
Acute toxicity 4 (Acute Tox. 4)	H332	Harmful if inhaled.
Skin sensitization 1 (Skin Sens. 1)	H317	May cause an allergic skin reaction.
Respiratory sensitization 1 (Resp. Sens. 1)	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

Hazard class		R - Phrase
None.	R42	May cause sensitization by inhalation.
	R43	May cause sensitization by skin contact.



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2.2 Label elements

Labeling in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard Pictogram:



Signal Word:

Danger

Hazard Statement:

H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precaution:

Not applicable.

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage:

P402+P404 Store in a dry place. Store in a closed container.

Disposal:

P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

Additional Hazards:

Not applicable.

2.3 Other hazards

PBT & vPvB:

See section 12.5 for more detailed information on PBT and vPvB.



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SECTION 3: Composition/information on ingredients

3.1 Mixtures

Classification according to Regulation (EC) No 1272/2008 (CLP)

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
Maleic acid	110-16-7	203-742-5	Not available.	1 - 5	Acute Tox. 4 H302 Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 STOT SE 3 H335
Neomycin sulfate	1405-10-3	215-773-1	Not available.	0.5 - 1.5	Skin Sens. 1 H317 Resp. Sens. 1 H334

Classification according to 67/548/EEC

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
Maleic acid	110-16-7	203-742-5	Not available.	1 - 5	Xn; R22 R43 Xi; R36/37/38
Neomycin sulfate	1405-10-3	215-773-1	Not available.	0.5 - 1.5	R43; R42

Full text of R-, H- and EUH- phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.



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4.2 Most important symptoms and effects, both acute and delayed

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Skin:** Causes sensitization by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Inhalation:** Harmful by inhalation. Causes respiratory sensitization. Symptoms: vapours may cause drowsiness and dizziness.
- 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

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting 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

- Products of Combustion:** May include, and are not limited to: oxides of carbon.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes. Do not breathe vapour or mist.

6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.



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6.3 Methods and material for containment and cleaning up

Methods 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. Provide ventilation.

6.4 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 Precautions for safe handling

Handling: Users should have a thorough understanding how to use this product. Do not breathe gas/fumes/ vapor/spray. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. (See section 8).

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep out of the reach of children. Keep container tightly closed. Product should be at room temperature and mixed gently but thoroughly before use. Do not use any component beyond the expiration date printed on the label. Unused chemicals should not be returned to the container. (See section 10)

7.3 Specific end use(s)

End uses: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	UK - Occupational Exposure Limits (TWA)
Maleic acid	Not available.
Neomycin sulfate	Not available.

8.2 Exposure controls

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor,



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etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection:

Hand Protection: Wear solvent resistant gloves.

Body Protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Health & Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Environmental Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not available.
Color:	Not available.
Odour:	Not available.
Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	Not available.
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability:	Not Flammable.
Lower Flammability/Explosive Limit:	Not available.



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Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	Not available.
Solubility:	Not available.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.

9.2 Other information

Not available.

SECTION 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. Incompatible materials.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products



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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Acute Health Effects:

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Cause sensitization by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: Harmful by inhalation. Causes respiratory sensitization. Symptoms: vapours may cause drowsiness and dizziness.

Acute Toxicity:

Ingredient	LC50	LD50
Maleic acid	Inhalation Rat >0.72 mg/L 1 h	Oral Rat 708 mg/kg Dermal Rabbit 1560 mg/kg
Neomycin sulfate	Not available.	Oral Mouse >8 g/kg

0.9% of the mixture consists of ingredient(s) of unknown toxicity.

Skin Corrosion/Irritation: May cause skin irritation.

Serious Eye Damage/Irritation: May cause eye irritation.

Respiratory or Skin Sensitization: May cause skin and respiratory sensitization.

STOT-Single Exposure: Based on available data, the classification criteria are not met.

Chronic Health Effects:

Carcinogenicity: This product is not classified as a carcinogen.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity:

Developmental: This product does not contain known reproductive or developmental toxins.

Fertility: No known significant effects or critical hazards.



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STOT-Repeated Exposure: Based on available data, the classification criteria are not met.
Aspiration Hazard: Not expected to occur.
Other Information: Not available.

SECTION 12: Ecological information Section

12.1 Toxicity

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

Ingredient	Aquatic Toxicity
Maleic acid	96 Hr LC50 Pimephales promelas: 5 mg/L [static] 48 Hr EC50 Daphnia magna: 250 - 400 mg/L
Neomycin sulfate	Not available.

Contains 0.9 % of components with unknown hazards to the aquatic environment.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Bioaccumulation: Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

PBT results: A PBT assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as PBT.

vPvB results: A vPvB assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as vPvB.

12.6 Other adverse effects

Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Other disposal recommendations: Not available.

SECTION 14: Transport information

14.1 UN number

Not regulated.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Do not handle until all safety precautions have been read and understood.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations and/or restrictions on use:

This Safety Data Sheet classification and labeling have been determined according to the (EC) No. 1272-2008 "Classification, Labeling and Packaging" regulation; as well as the EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other information

Date of Preparation: August 13, 2012

Version: 1.0

Revision Date: August 13, 2012

Revised Changes: None.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification	Classification Procedure
Acute toxicity 4 (Acute Tox. 4)	Calculation method.
Skin sensitization 1 (Skin Sens. 1)	Concentration limits.
Respiratory sensitization 1 (Resp. Sens. 1)	Concentration limits.

Relevant R-, H- and EUH- Phrases:

H332	Harmful if inhaled.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit

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Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- P402+P404 Store in a dry place. Store in a closed container.
- P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.
- R42 May cause sensitization by inhalation.
R43 May cause sensitisation by skin contact
R22 Harmful if swallowed.
R38 Irritating to skin.
R36 Irritating to eyes.
R37 Irritating to respiratory system.

Legend:

PBT - Persistent, Bioaccumulative and Toxic
vPvB - very Persistent and very Bioaccumulative
CAS No - Chemical Abstracts Service Number
EC No - European Commission Number
REACH No - Registration, Evaluation, Authorisation and restriction of Chemicals Number
STOT Specific target organ toxicity
logK_{ow} - Partition coefficient n-octanol/water
BCF - Bioconcentration Factor

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Prepared by: Nexreg Compliance Inc.
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End of Safety Data Sheet



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: PMSF
Product Code: Not available.

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

Use: To be used as a component with the Plasma Renin Activity ELISA kit according to the instructions provided with the kit.

1.3 Details of the supplier of the safety data sheet

Address: **Immuno-Biological Laboratories, Inc. (IBL-America)**
8201 Central Ave NE, Suite P
Minneapolis, MN 55432
Toll Free: (888) 523-1246
Fax: (763) 780-2988
www.ibl-america.com
info@ibl-america.com

1.4 Emergency telephone number

Emergency Telephone Number: In the event of a medical emergency, please dial 911.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard class		Hazard Statement
Acute toxicity 3 (Acute Tox. 3)	H301	Toxic if swallowed.
Skin corrosion 1B (Skin Corr. 1B)	H314	Causes severe skin burns and eye damage.
Serious eye damage 1 (Eye Dam. 1)	H318	Causes serious eye damage.

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

Hazard class		R - Phrase
Toxic (T)	R25	Toxic if swallowed.
Corrosive (C)	R34	Causes burns.
	R41	Risk of serious damage to eyes.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

2.2 Label elements

Labeling in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard Pictogram:



Signal Word:

Danger

Hazard Statement:

H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Precaution:

Not applicable.

Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P310 Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

Additional Hazards:

Not applicable.

2.3 Other hazards

PBT & vPvB:

See section 12.5 for more detailed information on PBT and vPvB.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Classification according to Regulation (EC) No 1272/2008 (CLP)

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
Benzenemethanesulfonil fluoride	329-98-6	206-350-2	Not available.	60 - 100	Acute Tox. 3 H301 Skin Cor. 1B H314

Classification according to 67/548/EEC

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
Benzenemethanesulfonil fluoride	329-98-6	206-350-2	Not available.	60 - 100	T; R25 C; R34

Full text of R-, H- and EUH- phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- Skin:** Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention if symptoms occur. Chemical burns must be treated promptly by a physician.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Eye:** Causes burns. Severe irritation, redness and pain. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Skin:** Causes burns. Symptoms may include redness, pain and blisters.



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Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Inhalation: May be harmful by inhalation. Irritating to respiratory tract. Vapours may cause drowsiness and dizziness.

Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable Extinguishing Media: Powder, foam, carbon dioxide.

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

Products of Combustion: May include, and are not limited to: oxides of carbon, halogenated compounds.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes.

6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3 Methods and material for containment and cleaning up

Methods for Containment: Pick up large pieces, 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. Provide ventilation.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
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Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

6.4 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 Precautions for safe handling

Handling: Users should have a thorough understanding how to use this product. Do not breathe gas/fumes/ vapor/spray. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. (See section 8).

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep out of the reach of children. Keep container tightly closed. Product should be at room temperature and mixed gently but thoroughly before use. Do not use any component beyond the expiration date printed on the label. Store in an appropriate container. Unused chemicals should not be returned to the container. (See section 10)

7.3 Specific end use(s)

End uses: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	UK - Occupational Exposure Limits (TWA)
Benzenemethanesulfonyl fluoride	Not available.

8.2 Exposure controls

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection:



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Hand Protection: Wear solvent resistant gloves.

Body Protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Health & Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Environmental Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not available.
Color:	Not available.
Odour:	Not available.
Odour Threshold:	Not available.
Physical State:	Solid.
pH:	Not available.
Melting Point:	~ 92 °C (~ 197.6 °F)
Boiling Point:	Decomposes.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability:	Not Flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	Not available.
Solubility:	Not available.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Partition coefficient: n-octanol/water: Not available.

Auto-ignition Temperature: Not available.

Decomposition Temperature: Not available.

Viscosity: Not available.

Explosive Properties: Not available.

Oxidizing Properties: Not available.

9.2 Other information

Not available.

SECTION 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. Incompatible materials.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

May include, and are not limited to: oxides of carbon, halogenated compounds.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Acute Health Effects:

Eye: Causes burns. Severe irritation, redness and pain. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin: Causes burns. Symptoms may include redness, pain and blisters.

Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May be harmful by inhalation. Irritating to respiratory tract. Vapours may cause drowsiness and dizziness.

Acute Toxicity:

Ingredient	LC50	LD50
Benzenemethanesulfonyl fluoride	Not available.	Oral Mouse 200 mg/kg

Skin Corrosion/Irritation: Causes burns.

Serious Eye Damage/Irritation: Risk of serious damage to eyes.

Respiratory or Skin Sensitization: Based on available data, the classification criteria are not met.

STOT-Single Exposure: Based on available data, the classification criteria are not met.

Chronic Health Effects:

Carcinogenicity: This product is not classified as a carcinogen.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity:

Developmental: This product does not contain known reproductive or developmental toxins.

Fertility: No known significant effects or critical hazards.

STOT-Repeated Exposure: Based on available data, the classification criteria are not met.

Aspiration Hazard: Not expected to occur.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Other Information: Not available.

SECTION 12: Ecological information Section

12.1 Toxicity

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

Ingredient	Aquatic Toxicity
Benzenemethanesulfonyl fluoride	Not available.

Contains 100 % of components with unknown hazards to the aquatic environment.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Bioaccumulation: Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

PBT results: A PBT assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as PBT.

vPvB results: A vPvB assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as vPvB.

12.6 Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Other disposal recommendations: Not available.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 14: Transport information

14.1 UN number

UN2928

14.2 UN proper shipping name

Toxic solid, corrosive, organic, n.o.s. (Benzenemethanesulfonyl fluoride)

14.3 Transport hazard class(es)

6.1(8)

14.4 Packing group

II

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Do not handle until all safety precautions have been read and understood.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations and/or restrictions on use:

This Safety Data Sheet classification and labeling have been determined according to the (EC) No. 1272-2008 "Classification, Labeling and Packaging" regulation; as well as the EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this product.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 16: Other information

Date of Preparation: August 13, 2012

Version: 1.0

Revision Date: August 13, 2012

Revised Changes: None.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification

Acute toxicity 3 (Acute Tox. 3)
Skin corrosion 1B (Skin Corr. 1B)
Serious eye damage 1 (Eye Dam. 1)

Classification Procedure

Calculation method.
Concentration limits.
Concentration limits.

Relevant R-, H- and EUH- Phrases:

H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P330 Rinse mouth.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P310 Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

R25 Toxic if swallowed.
R34 Causes burns.
R41 Risk of serious damage to eyes.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Legend:

PBT - Persistent, Bioaccumulative and Toxic

vPvB - very Persistent and very Bioaccumulative

CAS No - Chemical Abstracts Service Number

EC No - European Commission Number

REACH No - Registration, Evaluation, Authorisation and restriction of Chemicals Number

STOT Specific target organ toxicity

logK_{ow} - Partition coefficient n-octanol/water

BCF - Bioconcentration Factor

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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End of Safety Data Sheet



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: Wash Buffer Concentrate

Product Code: Not available.

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

Use: To be used as a component with the Plasma Renin Activity ELISA kit according to the instructions provided with the kit.

1.3 Details of the supplier of the safety data sheet

Address: Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave NE, Suite P
Minneapolis, MN 55432
Toll Free: (888) 523-1246
Fax: (763) 780-2988
www.ibl-america.com
info@ibl-america.com

1.4 Emergency telephone number

Emergency Telephone Number: In the event of a medical emergency, please dial 911.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard class	Hazard Statement
Not controlled.	EUH208 Contains 2-Methyl-3-isothiazolone. May produce an allergic reaction.

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

Hazard class	R - Phrase
Not controlled.	Contains 2-Methyl-3-isothiazolone. May produce an allergic reaction.'



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Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

2.2 Label elements

Labeling in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard Pictogram:	Not applicable.
Signal Word:	Not applicable.
Hazard Statement:	Not applicable.
Precaution:	Not applicable.
Prevention:	Not applicable.
Response:	Not applicable.
Storage:	Not applicable.
Disposal:	Not applicable.
Additional Hazards:	EUH208 Contains 2-Methyl-3-isothiazolone. May produce an allergic reaction.

2.3 Other hazards

PBT & vPvB: See section 12.5 for more detailed information on PBT and vPvB.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Classification according to Regulation (EC) No 1272/2008 (CLP)

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
2-Methyl-3-isothiazolone	2682-20-4	220-239-6	Not available.	0.1 - 1	Skin Corr. 1B H314 Acute Tox. 4 H332, H312, H302 Skin Sens. 1 H317 Aquatic. Acute 1 H400
Trometamol	77-86-1	201-064-4	Not available.	0.5 - 1.5	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335

Classification according to 67/548/EEC

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
2-Methyl-3-isothiazolone	2682-20-4	220-239-6	Not available.	0.1 - 1	C; R34 Xn; R20/21/22 R43 N; R50
Trometamol	77-86-1	201-064-4	Not available.	0.5 - 1.5	Xi R36/37/38

Full text of R-, H- and EUH- phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn. If eye irritation persists: Get medical advice/attention.
- Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
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Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May produce an allergic reaction.
- Inhalation:** May cause respiratory tract irritation.
- 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

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting 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

- Products of Combustion:** May include, and are not limited to: oxides of carbon.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes. Do not breathe vapour or mist.

6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.



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Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

6.3 Methods and material for containment and cleaning up

Methods 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. Provide ventilation.

6.4 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 Precautions for safe handling

Handling: Users should have a thorough understanding how to use this product. Do not breathe gas/fumes/ vapor/spray. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. (See section 8).

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Product should be at room temperature and mixed gently but thoroughly before use. Do not use any component beyond the expiration date printed on the label. The substrate (TMB) solution is sensitive to light and should always be stored in dark bottles away from direct sunlight. The substrate (TMB) solution is sensitive to light and should always be stored in dark bottles away from direct sunlight. Unused chemicals should not be returned to the container. (See section 10)

7.3 Specific end use(s)

End uses: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	UK - Occupational Exposure Limits (TWA)
2-Methyl-3-isothiazolone	Not available.
Trometamol	Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

8.2 Exposure controls

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection:

Hand Protection: Wear solvent resistant gloves.

Body Protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Health & Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Environmental Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Not available.

Color: Not available.

Odour: Not available.

Odour Threshold: Not available.

Physical State: Liquid.

pH: Not available.

Melting Point: Not available.

Boiling Point: Not available.

Flash Point: Not available.

Evaporation Rate: Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Flammability:	Not Flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	Not available.
Solubility:	Not available.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.

9.2 Other information

Not available.

SECTION 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. Incompatible materials.

10.5 Incompatible materials



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

None known.

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Acute Health Effects:

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May produce an allergic reaction.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

Acute Toxicity:

Ingredient	LC50	LD50
2-Methyl-3-isothiazolone	Not available.	Not available.
Trometamol	Not available.	Oral Rat 5900 mg/kg

2.2 % of mixture consists of ingredient(s) of unknown toxicity.

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 Sensitization: May produce an allergic reaction.

STOT-Single Exposure: Based on available data, the classification criteria are not met.

Chronic Health Effects:

Carcinogenicity: This product is not classified as a carcinogen.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity:



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Developmental: This product does not contain known reproductive or developmental toxins.

Fertility: No known significant effects or critical hazards.

STOT-Repeated Exposure: Based on available data, the classification criteria are not met.

Aspiration Hazard: Not expected to occur.

Other Information: Not available.

SECTION 12: Ecological information Section

12.1 Toxicity

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

Ingredient	Aquatic Toxicity
2-Methyl-3-isothiazolone	Not available.
Trometamol	Not available.

99.2% of mixture consists of ingredient(s) of unknown hazards to the aquatic environment.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Bioaccumulation: Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

PBT results: A PBT assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as PBT.

vPvB results: A vPvB assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as vPvB.

12.6 Other adverse effects

Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Other disposal recommendations: Not available.

SECTION 14: Transport information

14.1 UN number

Not regulated.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Do not handle until all safety precautions have been read and understood.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations and/or restrictions on use:

This Safety Data Sheet classification and labeling have been determined according to the (EC) No. 1272-2008 "Classification, Labeling and Packaging" regulation; as well as the EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other information

Date of Preparation: August 13, 2012

Version: 1.0

Revision Date: August 13, 2012

Revised Changes: None.

Relevant R-, H- and EUH- Phrases:

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

R34 Causes burns.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R43 May cause sensitisation by skin contact.

R50 Very toxic to aquatic organisms.

R36/37/38 Irritating to eyes, respiratory system and skin.

Legend:

PBT - Persistent, Bioaccumulative and Toxic

vPvB - very Persistent and very Bioaccumulative

CAS No - Chemical Abstracts Service Number



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

EC No - European Commission Number

REACH No - Registration, Evaluation, Authorisation and restriction of Chemicals Number

STOT Specific target organ toxicity

logK_{ow} - Partition coefficient n-octanol/water

BCF - Bioconcentration Factor

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Prepared by:

Nexreg Compliance Inc.

Phone: (519) 488-5126

<http://www.nexreg.com>

End of Safety Data Sheet



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: TMB Substrate

Product Code: Not available.

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

Use: To be used as a component with the Plasma Renin Activity ELISA kit according to the instructions provided with the kit.

1.3 Details of the supplier of the safety data sheet

Address: Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave NE, Suite P
Minneapolis, MN 55432
Toll Free: (888) 523-1246
Fax: (763) 780-2988
www.ibl-america.com
info@ibl-america.com

1.4 Emergency telephone number

Emergency Telephone Number: In the event of a medical emergency, please dial 911.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

This preparation is classified as not dangerous according to CLP (EC) No 1272/2008.

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

This preparation is classified as not dangerous according to Directive 1999/45/EC.

2.2 Label elements

Labeling in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard Pictogram: Not applicable.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Signal Word: Not applicable.
Hazard Statement: Not applicable.
Precaution: Not applicable.
Prevention: Not applicable.
Response: Not applicable.
Storage: Not applicable.
Disposal: Not applicable.
Additional Hazards: Not applicable.

2.3 Other hazards

PBT & vPvB: See section 12.5 for more detailed information on PBT and vPvB.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Classification according to Regulation (EC) No 1272/2008 (CLP)

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
N-Methyl pyrrolidone	872-50-4	212-828-1	Not available.	1 - 5	Repr. 1B H360D Eye Irrit. 2 H319 Skin Irrit. 2 H315 STOT SE 3 H335

Classification according to 67/548/EEC

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
N-Methyl pyrrolidone	872-50-4	212-828-1	Not available.	1 - 5	Repr.Cat.2; R61 C: Xi; R36/37/38

Full text of R-, H- and EUH- phrases: see section 16.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn. If eye irritation persists: Get medical advice/attention.
- Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Skin:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Inhalation:** May cause respiratory tract irritation.
- 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

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable Extinguishing Media:** Treat for surrounding material.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

Products of Combustion: May include, and are not limited to: oxides of carbon.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes. Do not breathe vapour or mist.

6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3 Methods and material for containment and cleaning up

Methods 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. Provide ventilation.

6.4 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 Precautions for safe handling

Handling: Users should have a thorough understanding how to use this product. Do not breathe gas/fumes/ vapor/spray. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. (See section 8).

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Product should be at room temperature and mixed gently but thoroughly before use. Do not use any component beyond the expiration date printed on the label. The substrate (TMB) solution is sensitive to light and should always be stored in dark bottles away from direct sunlight. Unused chemicals should not be returned to the container. (See section 10)

7.3 Specific end use(s)

End uses: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	UK - Occupational Exposure Limits (TWA)
N-Methyl pyrrolidone	Not available.

8.2 Exposure controls

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection:

Hand Protection: Wear solvent resistant gloves.

Body Protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Health & Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Environmental Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not available.
Color:	Not available.
Odour:	Not available.
Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	Not available.
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability:	Not Flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	Not available.
Solubility:	Not available.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

9.2 Other information

Not available.

SECTION 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. Sensitive to light.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Heat. Incompatible materials.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Acute Health Effects:

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit

Product Catalogue Number: IB59131

Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

Acute Toxicity:

Ingredient	LC50	LD50
N-Methyl pyrrolidone	Inhalation Rat 3.1 mg/L 4 h	Oral Rat 3598 mg/kg Dermal Rabbit >5000 mg/kg

0.7 % of mixture consists of ingredient(s) of unknown toxicity.

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

STOT-Single Exposure: Based on available data, the classification criteria are not met.

Chronic Health Effects:

Carcinogenicity: This product is not classified as a carcinogen.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity:

Developmental: This product does not contain known reproductive or developmental toxins.

Fertility: No known significant effects or critical hazards.

STOT-Repeated Exposure: Based on available data, the classification criteria are not met.

Aspiration Hazard: Not expected to occur.

Other Information: Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 12: Ecological information Section

12.1 Toxicity

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

Ingredient	Aquatic Toxicity
N-Methyl pyrrolidone	Not available.

100% of mixture consists of ingredient(s) of unknown hazards to the aquatic environment.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Bioaccumulation: Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

PBT results: A PBT assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as PBT.

vPvB results: A vPvB assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as vPvB.

12.6 Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Other disposal recommendations: Not available.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 14: Transport information

14.1 UN number

Not regulated.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Do not handle until all safety precautions have been read and understood.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations and/or restrictions on use:

This Safety Data Sheet classification and labeling have been determined according to the (EC) No. 1272-2008 "Classification, Labeling and Packaging" regulation; as well as the EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this product.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 16: Other information

Date of Preparation: August 13, 2012

Version: 1.0

Revision Date: August 13, 2012

Revised Changes: None.

Relevant R-, H- and EUH- Phrases:

H360D May damage the unborn child.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

R61 May cause harm to the unborn child.

R36/37/38 Irritating to eyes, respiratory system and skin.

Legend:

PBT - Persistent, Bioaccumulative and Toxic

vPvB - very Persistent and very Bioaccumulative

CAS No - Chemical Abstracts Service Number

EC No - European Commission Number

REACH No - Registration, Evaluation, Authorisation and restriction of Chemicals Number

STOT Specific target organ toxicity

logK_{ow} - Partition coefficient n-octanol/water

BCF - Bioconcentration Factor

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Prepared by: Nexreg Compliance Inc.
Phone: (519) 488-5126
<http://www.nexreg.com>

End of Safety Data Sheet



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: Stopping Solution

Product Code: Not available.

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

Use: To be used as a component with the Plasma Renin Activity ELISA kit according to the instructions provided with the kit.

1.3 Details of the supplier of the safety data sheet

Address: **Immuno-Biological Laboratories, Inc. (IBL-America)**
8201 Central Ave NE, Suite P
Minneapolis, MN 55432
Toll Free: (888) 523-1246
Fax: (763) 780-2988
www.ibl-america.com
info@ibl-america.com

1.4 Emergency telephone number

Emergency Telephone Number: In the event of a medical emergency, please dial 911.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard class		Hazard Statement
Acute toxicity 3 (Acute Tox. 3)	H331	Toxic if inhaled.
Skin irritation 2 (Skin Irrit. 2)	H315	Causes skin irritation.
Serious eye irritation 2 (Eye Irrit. 2)	H319	Causes serious eye irritation.

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

Hazard class		R - Phrase
Harmful (Xn)	R20	Harmful by inhalation
Irritant (Xi)	R36/38	Irritating to eyes and skin.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
Conforms to Regulations: (EC) No. 1907/2006 (REACH) & 1272-2008 (CLP)

2.2 Label elements

Labeling in accordance with the Classification Labeling and Packaging Regulation (EC) No 1272/2008

Hazard Pictogram:



Signal Word:

Danger

Hazard Statement:

H331 Toxic if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precaution:

Not applicable.

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P342+ P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

Additional Hazards:

Not applicable.

2.3 Other hazards

PBT & vPvB:

See section 12.5 for more detailed information on PBT and vPvB.



SAFETY DATA SHEET

Product Name: Plasma Renin Activity (PRA) ELISA Kit
Product Catalogue Number: IB59131
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SECTION 3: Composition/information on ingredients

3.1 Mixtures

Classification according to Regulation (EC) No 1272/2008 (CLP)

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
Sulfuric acid	7664-93-9	231-639-5	Not available.	9 - 10	Skin Corr. 1A H314

Classification according to 67/548/EEC

Ingredient	CAS No	EC No	REACH No	Wt. %	Class
Sulfuric acid	7664-93-9	231-639-5	Not available.	9 - 10	C; R35

Full text of R-, H- and EUH- phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.



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Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Eye: Cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Inhalation: Harmful by inhalation. Causes respiratory sensitization. Symptoms: vapours may cause drowsiness and dizziness.

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

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting 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

Products of Combustion: May include, and are not limited to: oxides of carbon.

5.3 Advice for firefighters

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



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes. Do not breathe vapour or mist.

6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3 Methods and material for containment and cleaning up

Methods 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. Provide ventilation.

6.4 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 Precautions for safe handling

Handling: Users should have a thorough understanding how to use this product. Do not breathe gas/fumes/ vapor/spray. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. (See section 8).

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep out of the reach of children. Keep container tightly closed. Product should be at room temperature and mixed gently but thoroughly before use. Do not use any component beyond the expiration date printed on the label. Store in an appropriate container. Unused chemicals should not be returned to the container. (See section 10)

7.3 Specific end use(s)

End uses: Not available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	UK - Occupational Exposure Limits (TWA)
Sulfuric acid	0.05 mg/m ³ TWA (mist)

8.2 Exposure controls

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection:

Hand Protection: Wear solvent resistant gloves.

Body Protection: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Health & Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Environmental Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Not available.
Color:	Not available.
Odour:	Not available.
Odour Threshold:	Not available.
Physical State:	Liquid.
pH:	0
Melting Point:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	Not available.
Flammability:	Not Flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density:	Not available.
Solubility:	Not available.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.



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9.2 Other information

Not available.

SECTION 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. Incompatible materials.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Acute Health Effects:

Eye: Cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: Harmful by inhalation. Causes respiratory sensitization. Symptoms: vapours may cause drowsiness and dizziness.



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Acute Toxicity:

Ingredient	LC50	LD50
Sulfuric acid	Inhalation Mouse 320 mg/m ³ 2 h Inhalation Rat 510 mg/m ³ 2 h Inhalation Rat 347 ppm 1 h	Oral Rat 2140 mg/kg

Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes eye irritation.
Respiratory or Skin Sensitization: Based on available data, the classification criteria are not met.
STOT-Single Exposure: Based on available data, the classification criteria are not met.

Chronic Health Effects:

Carcinogenicity: This product is not classified as a carcinogen.

Germ Cell Mutagenicity: This product is not classified as a mutagen.

Reproductive Toxicity:

Developmental: This product does not contain known reproductive or developmental toxins.

Fertility: No known significant effects or critical hazards.

STOT-Repeated Exposure: Based on available data, the classification criteria are not met.

Aspiration Hazard: Not expected to occur.

Other Information: Not available.

SECTION 12: Ecological information Section

12.1 Toxicity

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

Ingredient	Aquatic Toxicity
Sulfuric acid	Not available.

Contains 100% of components with unknown hazards to the aquatic environment.



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12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Bioaccumulation: Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

PBT results: A PBT assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as PBT.

vPvB results: A vPvB assessment has not yet been carried out under REACH for the constituents. However, there are no indications that this product contains substances likely to be classified as vPvB.

12.6 Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Other disposal recommendations: Not available.



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SECTION 14: Transport information

14.1 UN number

UN2796

14.2 UN proper shipping name

Battery Fluid, Acid; Sulfuric Acid with not more than 51 per cent acid; or SULPHURIC ACID with not more than 51 per cent acid.

14.3 Transport hazard class(es)

8

14.4 Packing group

II

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Do not handle until all safety precautions have been read and understood.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations and/or restrictions on use:

This Safety Data Sheet classification and labeling have been determined according to the (EC) No. 1272-2008 "Classification, Labeling and Packaging" regulation; as well as the EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this product.



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SECTION 16: Other information

Date of Preparation: August 13, 2012

Version: 3.0

Revision Date: September 4, 2012

Revised Changes: **Version 2.0:**
Section 2.1
Classification according to (EC) No 1272/2008:
Skin corrosion 1B (Skin Corr. 1B) and H314 deleted and replaced with Skin irritation 2 (Skin Irrit. 2) and H 315.
Serious eye damage 1 (Eye Dam. 1) and H318 deleted and replaced with Serious eye irritation 2 (Eye Irrit. 2) and H318.
EUH071 deleted.
Classification according to 1999/45/EC:
Corrosive (C) and R34/R41 deleted and replaced with Harmful (Xn), Irritant (Xi) and R20/R36/R38.
Section 2.2
Hazard Pictogram:
GHS05 pictogram deleted.
Hazard Statement: H314 and H318 deleted and replaced with H315 and H319.
Prevention:
P260 deleted and replaced with P261.
Response:
P304+P340 deleted and replaced with P342+P311
P303+P361+P353 deleted and replaced with P302+P352.
P310 deleted.
Additional Hazards:
EUH071 deleted.
Section 3.1
Wt. %: 1-5 % was deleted and replaced with 9-10%.
Section 4.1
Skin: Previous measures deleted and replaced with current measures.
Section 4.2
Eye: Previous wording deleted and replaced with the current wording.
Skin: Previous wording deleted and replaced with the current wording.
Inhalation: Previous wording deleted and replaced with the current wording.
Section 11.1
Acute Health Effects:
Eye: Previous wording deleted and replaced with current wording.
Skin: Previous wording deleted and replaced with current wording.
Inhalation: Previous wording deleted and replaced with current wording.
Accute Toxicity:4% deleted and replaced with 10%.
Skin Corrosin/Irritation: Causes burns deleted and replaced with causes skin irritation.



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Serious Eye Damage/Irritation: Corrosive to eyes. Causes burns deleted and replaced with Causes eye irritation.

Section 14.1

UN Number: UN2927 deleted and replaced with UN2810.

Section 14.3

Transport hazard class(es): 6.1(8) deleted and replaced with 6.1.

Section 14.4

Packing group: II deleted and replaced with III.

Section 16

Classification:

Skin corrosion 1B (Skin Corr. 1B) deleted and replaced with Skin irritation 2 (Skin Irrit. 2).

Serious eye damage 1 (Eye Dam. 1) deleted and replaced with Serious eye irritation 2 (Eye Irrit. 2).

Relevant R-, H- and EUH- Phrases:

H315 added.

H318 deleted and replaced with H319.

P260 deleted and replaced with P261.

P304+P340 deleted and replaced with P342+P311.

P303+P361+P353 deleted and replaced with P302+P352.

P310 deleted.

R34/R41 deleted and replaced with R20/R36/38/R35.

Version 3.0:

Section 14.1

UN Number: UN2810 deleted and replaced with UN2796

Section 14.2

UN Proper Shipping Name: Toxic liquid, organic, n.o.s. (Sulfuric acid) deleted and replaced with Battery Fluid, Acid; Sulfuric Acid with not more than 51 per cent acid; or SULPHURIC ACID with not more than 51 per cent acid.

Section 14.3

Transport hazard class(es): 6.1 deleted and replaced with 8.

Section 14.4

Packing group: III deleted and replaced with II.

Section 11

Acute Toxicity: 10% of the mixture consists of ingredient(s) of unknown toxicity was deleted.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification

Acute toxicity 3 (Acute Tox. 3)

Skin irritation 2 (Skin Irrit. 2)

Serious eye irritation 2 (Eye Irrit. 2)

Classification Procedure

Calculation method.

Concentration limits.

Concentration limits.

Relevant R-, H- and EUH- Phrases:

H331 Toxic if inhaled.

Trade Name: Stopping Solution

Product No: Not available.

Specification No: Not available

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Version 3.0 / EN

Print date: 2013-11-08

Revision date: 2012-09-04



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H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P342+ P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

R20 Harmful by inhalation

R36/38 Irritating to eyes and skin.

R35 Causes severe burns

Legend:

PBT - Persistent, Bioaccumulative and Toxic

vPvB - very Persistent and very Bioaccumulative

CAS No - Chemical Abstracts Service Number

EC No - European Commission Number

REACH No - Registration, Evaluation, Authorisation and restriction of Chemicals Number

STOT Specific target organ toxicity

logK_{ow} - Partition coefficient n-octanol/water

BCF - Bioconcentration Factor

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End of Safety Data Sheet