



Material Safety Data Sheet

According to 91/155 EC

Histamine ELISA

| | |
|------------|----------------|
| REF | IB89128 |
| REF | IB89145 |
| REF | IB89142 |
| REF | IB89143 |

Relevant Material Safety Data Sheets:

MSDS BA 001
MSDS BA 010
MSDS BA 012 (only for IB89128 and IB89142)
MSDS BA 025
MSDS BA 028
MSDS BA 040
MSDS BA 045 (only for IB89145)
MSDS BA 050
MSDS BA 055
MSDS BA 080
MSDS BA 112 (only for IB89128 and IB89142)
MSDS BA 126 (only for IB89145)

Manufactured for:

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



MSDS BA 001

1. Identification of Substance

Product details:

Trade name: Standard / Control

STANDARD

CONTROL

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P
Minneapolis, Minnesota 55432
Tel: 763-780-2955
Fax: 763-780-2988
www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with workplace-related control parameters.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves (In case of accidental release only)

Eye protection: Safety glasses

9. Physical and Chemical Properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | colourless |
| Odour: | odourless. |
| pH-value: | approx. 1 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0,0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: No dangerous reaction known.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological Information

Skin contact: No skin irritation known.

Eye contact: Irritation.

Further information: Product is not subject to labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: No ecotoxicity known.

13. Disposal Considerations

Waste from residues: Disposal according to official regulations

Contaminated packaging: Disposal must be made according to official regulations.

For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities this product is not hazardous according to recent regulations on hazardous material.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to specific labelling under EU directives. Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV):-

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: Not applicable.

Manufactured for:

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



MSDS BA 010

1. Identification of Substance

Product details:

Trade name: Antiserum AS

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P

Minneapolis, Minnesota 55432

Tel: 763-780-2955

Fax: 763-780-2988

www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into waters.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with workplace-related control parameters.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothes at once. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves (In case of accidental release only)

Eye protection: Not required

9. Physical and Chemical Properties

| | |
|----------------------------------|---|
| Form: | liquid |
| Colour: | according to type of antiserum dyed blue, yellow or green |
| Odour: | odourless. |
| pH-value: | approx. 7.5 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0,0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: No dangerous reaction known.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological Information

Skin contact: No skin irritation known.

Eye contact: No irritation known.

Further information: Product is not subject to specific labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: No ecotoxicity known.

13. Disposal Considerations

Waste from residues: Disposal must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations.

For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities this product is not hazardous according to recent regulations on hazardous material.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to specific labelling under EU directives. Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV):-

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: Not applicable.

Manufactured for:

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



MSDS BA 012

1. Identification of Substance

Product details: **Acylation Reagent, Acylation Diluent**

ACYL-REAG

ACYL-DILUENT

Supplier Information: **Immuno-Biological Laboratories, Inc.**

8201 Central Ave NE, Suite P
Minneapolis, Minnesota 55432
Tel: 763-780-2955
Fax: 763-780-2988
www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of Preparation

Description: Solution

Hazardous ingredients: N,N-Dimethylformamide **R:** 61-20/21 **S:** 53 - 45

3. Potential Hazards

Hazard specification: Toxic.

Special hazard warnings for humans and the environment: The product might be teratogenic. Harmful to health upon inhalation and contact with the skin.

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: Use breathing apparatus in case of fire.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: - 6.1 A

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters:

BAT: 35 mg/l

EG: Probably teratogenic for humans.

TGS 900: 10 ml/m³ 30 mg/m³

Limit value: 4-fold in 15 minutes

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothes at once. Always wash hands before having a break and at the end of a working day. Material might be infectious.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves

Eye protection: Not applicable

9. Physical and Chemical Properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | colourless, lucent |
| Odour: | slightly amine-like |
| pH-value: | 7 |
| Boiling point: | approx. 153°C |
| Flashpoint: | 58 – 67°C |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | 100% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: Excessive heat.

Hazardous decomposition products: Nitrogen oxides may develop in case of fire.

11. Toxicological Information

Skin contact: Harmful to health.

Eye contact: Eye irritant.

Manufactured for:

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



Further information: Product might be teratogenic. Harmful to health upon inhalation and contact with skin. Product to be labelled as toxic.

12. Ecological Information

General information: Hazardous to water. Fast decomposition when exposed to air.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: Do not dispose into water, canalization or soil.

13. Disposal Considerations

Waste from residues: Disposal must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations. For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: UN 2265.

15. Regulatory information

Labelling according to EU-Directives: The product is subject to labelling.



Toxic

R2021-36-43

G45-53

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV):- Observe employment restriction for adolescents or pregnant or breast feeding women.

Water pollution class: Slightly hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

MSDS BA 025

1. Identification of Substance

Product details:

Trade name: Wash Buffer Concentrate **WASH-CONC 50x**

Supplier Information: **Immuno-Biological Laboratories, Inc.**
8201 Central Ave NE, Suite P
Minneapolis, Minnesota 55432
Tel: 763-780-2955
Fax: 763-780-2988
www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with workplace-related control parameters.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves (In case of accidental release only)

Eye protection: Protective glasses

9. Physical and chemical properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | colourless, transparent |
| Odour: | odourless |
| pH-value: | approx. 7.5 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0.0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: None, as no dangerous reactions are known.

Hazardous decomposition products: No decomposition products known.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: Not eye irritant.

Further information: Product is not subject to labelling

Manufactured for:

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



12. Ecological information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: No ecotoxicity known.

13. Disposal Considerations

Waste from residues: Disposal according to official regulations

Contaminated packaging: Disposal must be made according to official regulations.

For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities this product is not hazardous according to recent regulations on hazardous material.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to identification regulations under EU directives. Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work Regulations (BetrSichV):- Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: Not applicable

Manufactured for:

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



MSDS BA 028

1. Identification of Substance

Product details:

Trade name: Equalizing Reagent

EQUA-REAG

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P

Minneapolis, Minnesota 55432

Tel: 763-780-2955

Fax: 763-780-2988

www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse the eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with workplace-related control parameters.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothes at once. Always wash hands before having a break and at the end of a working day. Product might be infectious.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves (In case of accidental release only)

Eye protection: Not required

9. Physical and chemical properties

Form: lyophilized or liquid according to type of antiserum

Colour: amber

Odour: odourless

pH-value: 7.2 – 7.4

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Density: approx. 1g / cm³.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: None, as no dangerous reactions are known.

Hazardous decomposition products: No decomposition products known.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: No irritation known.

Further information: Product is not subject to labelling

Manufactured for:

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



12. Ecological information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: No ecotoxicity known.

13. Disposal Considerations

Waste from residues: Arising residues are normally wastes which have to be disposed of according to official regulations

Contaminated packaging: Disposal must be made according to official regulations.
For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: This product is not hazardous according to recent regulations on hazardous material.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to identification regulations under EU directives. Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work Regulations (BetrSichV):- Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: Not applicable

Manufactured for:

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



MSDS BA 040

1. Identification of Substance

Product details:

Trade name: Conjugate CONJUGATE

Supplier Information: Immuno-Biological Laboratories, Inc.
8201 Central Ave NE, Suite P
Minneapolis, Minnesota 55432
Tel: 763-780-2955
Fax: 763-780-2988
www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Solution

Hazardous ingredients: < 0,01 % Methylisothiazolone, < 0,01 % Bromonitrodioxane

3. Potential Hazards

Hazard specification: Not applicable due to small quantities.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: Consult doctor. Submit this safety data sheet to doctor.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Wash skin immediately using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Wash mouth out thoroughly and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: Use breathing apparatus if required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: Avoid eye and skin contact.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: - 8 B (VCI)

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with job-related limit values which have to be controlled.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves

Eye protection: Safety glasses

9. Physical and Chemical Properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | red-brown, transparent |
| Odour: | odourless |
| pH-value: | approx. 6 – 7 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0.0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: None, as there are not any dangerous reactions known.

Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: Eye irritant.

Further information: Product is not subject to labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: Not any ecotoxic effects known.

13. Disposal Considerations

Waste from residues: Disposal of residues must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations. For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities no dangerous goods according to above mentioned regulations.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to labelling.

Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV): -

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-Phrases: (The product is not subject to labelling due to the small quantities.)

Manufactured for:

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



MSDS BA 045

1. Identification of Substance

Product details:

Trade name: Anti-IgE-Antiserum ANTI-IGE

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P

Minneapolis, Minnesota 55432

Tel: 763-780-2955

Fax: 763-780-2988

www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable due to small quantities.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: Use breathing apparatus if required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with job-related limit values which have to be controlled.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves

Eye protection: Not applicable

9. Physical and Chemical Properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | colourless |
| Odour: | odourless |
| pH-value: | approx. 7.5 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | 100% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: None, as there are not any dangerous reactions known.

Hazardous decomposition products: Nitrogen oxides may develop in case of fire.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: Eye irritant.

Further information: Product is not subject to labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: Not any ecotoxic effects known.

13. Disposal Considerations

Waste from residues: Disposal of residues must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations. For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities no dangerous goods according to above mentioned regulations.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to labelling.

Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV): -

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: None.

Manufactured for:

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



MSDS BA 050

1. Identification of Substance

Product details:

Trade name: Adjustment Buffer

ADJUST-BUFF

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P
Minneapolis, Minnesota 55432

Tel: 763-780-2955

Fax: 763-780-2988

www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special protective equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into waters.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with job-related limit values which have to be controlled.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day. The product might be infectious.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves

Eye protection: Not applicable

9. Physical and Chemical Properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | transparent |
| Odour: | odourless |
| pH-value: | approx. 7 - 9 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0.0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: None, as there are not any dangerous reactions known.

Hazardous decomposition products: No decomposition products known.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: No irritation known.

Further information: Product is not subject to labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: Not any ecotoxic effects known.

13. Disposal Considerations

Waste from residues: Arising residues are normally wastes which have to be disposed of according to official regulations

Contaminated packaging: Disposal must be made according to official regulations. For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities no dangerous goods according to above mentioned regulations.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to labelling.

Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV): -

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: Not applicable.

Manufactured for:

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



MSDS BA 055

1. Identification of Substance

Product details:

Trade name: Substrate (TMB) **SUBSTRATE**

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P

Minneapolis, Minnesota 55432

Tel: 763-780-2955

Fax: 763-780-2988

www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Aqueous solution

Hazardous ingredients: 3.3', 5.5' Tetramethylbenzidine < 0,04%

3. Potential Hazards

Hazard specification: Not applicable due to the small quantities.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: Consult doctor. Submit this safety data sheet to doctor.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Wash mouth out thoroughly and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: Wear breathing apparatus if required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: Avoid eye and skin contact.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: 8 B (VCI).

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with job-related limit values which have to be controlled.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothes at once. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves

Eye protection: Protective glasses

9. Physical and chemical properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | transparent |
| Odour: | odourless |
| pH-value: | approx. 3 - 4 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0.0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: None, as there are not any dangerous reactions known.

Hazardous decomposition products: No decomposition products known.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: Eye irritant.

Further information: Product is not subject to labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: Not any ecotoxic effects known.

13. Disposal Considerations

Waste from residues: Disposal of residues must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations. For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities no dangerous goods according to above mentioned regulations.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to labelling.

Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV): -

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: 20/21/22-36/37/38-40

(Due to the small quantities the product is not subject to labelling).

Manufactured for:

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



MSDS BA 080

1. Identification of Substance

Product details:

Trade name: Stop Solution STOP-SOLN

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P

Minneapolis, Minnesota 55432

Tel: 763-780-2955

Fax: 763-780-2988

www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Sulphuric acid (1.5%), [CAS: 7664-93-9], [EINECS: 231-639-5], C, R 35

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Wash skin immediately using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special protective equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: 8 B (VCI).

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with job-related limit values which have to be controlled.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves (in case of accidental release only)

Eye protection: Safety glasses

9. Physical and chemical properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | transparent |
| Odour: | odourless |
| pH-value: | approx. 1 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0.0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: None, as there are not any dangerous reactions known.

Hazardous decomposition products: No decomposition products known.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: Eye irritant.

Further information: Product is not subject to labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: Not any ecotoxic effects known.

13. Disposal Considerations

Waste from residues: Disposal of residues must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations. For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities not classified as hazardous material according to above mentioned regulations.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to labelling.

Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV): -

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: 35 Causes severe chemical burns

(As this product is diluted sulphuric acid (1.5%) only, it is not subject to labelling).

Manufactured for:

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



MSDS BA 112

1. Identification of Substance

Product details: Acylation Reagent

ACYL-REAG

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P
Minneapolis, Minnesota 55432
Tel: 763-780-2955
Fax: 763-780-2988
www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting Measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into waters.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with workplace-related control parameters.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves

Eye protection: Safety glasses

9. Physical and Chemical Properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | colourless, clear |
| Odour: | characteristic |
| pH-value: | 7.2 – 7.4 |
| Boiling point: | approx. 189°C |
| Flashpoint: | 87 – 95 °C |
| Autoignition temperature: | product is not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | 100% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: No dangerous reaction known.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological Information

Skin contact: No skin irritation known.

Eye contact: No irritation known.

Further information: Product is not subject to labelling.

Manufactured for:

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



12. Ecological Information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: No ecotoxicity known.

13. Disposal Considerations

Waste from residues: Disposal according to official regulations

Contaminated packaging: Disposal must be made according to official regulations.

For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: No hazardous material.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to specific labelling under EU directives. Observe the general safety regulations when handling chemicals. Product might be infectious.

Classification according to Classification as per German Health and Safety at Work

Regulations (BetrSichV):-

Water pollution class: Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevante R-phrases: Not applicable.

Manufactured for:

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



MSDS BA 126

1. Identification of Substance

Product details:

Trade name: Release Buffer RELEASE-BUFF

Supplier Information: Immuno-Biological Laboratories, Inc.

8201 Central Ave NE, Suite P

Minneapolis, Minnesota 55432

Tel: 763-780-2955

Fax: 763-780-2988

www.ibl-america.com

Emergency call number: In the event of a medical emergency, please dial 911.

2. Composition/Information on Ingredients

Chemical Characterization of preparation

Description: Aqueous solution

Hazardous ingredients: Not applicable

3. Potential Hazards

Hazard specification: Not applicable.

Special hazard warnings for humans and the environment: The product is not subject to specific labelling under current EU regulations of the "Allgemeine Einstufungsrichtlinie für Zubereitungen der EG".

4. First-aid Measures

General information: No special measures required.

Inhalation: Fresh air supply. In case of discomfort, seek medical attention.

Skin contact: Immediately wash skin using water and soap, then rinse thoroughly with water.

Eye contact: Holding the eyelid open, rinse eye for several minutes using large quantities of water.

Swallowing: Drink large quantities of water and seek medical attention in case of discomfort.

5. Fire-fighting measures

Suitable extinguishing media: CO₂-powder or jet of water.

Special protective equipment required for fire-fighters: No special equipment required.

6. Accidental Release Measures

Personal protection: Wear protective clothing. Remove unprotected persons from danger zone.

Environmental protection: Do not dispose down the drains or into ground water.

Methods of cleaning/absorbing: Soak up mechanically with suitable liquid-binding material (sand, diatomite, acid binder, universal binder, saw dust).

Manufactured for:

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



7. Handling and Storage

Handling

Information on secure handling: No special measures required.

Information on fire and explosive protection: No special fire- and explosion protection measures are required.

Storage

Requirements for storing rooms and containers: There are no special requirements.

Information on storage in one common storage facility: Not applicable.

Further information on storage conditions: Not applicable.

Storage class: -

8. Exposure Control/Personal Protection

Additional information for system design: No further information, also see point 7.

Components with special workplace-related control parameters: The product does not contain any relevant quantities of substances with workplace-related control parameters.

Personal protective equipment

General protection and hygiene measures: Keep away from food, beverages and animal feed. Remove contaminated clothing immediately. Always wash hands before having a break and at the end of a working day.

Inhalation protection: Not applicable.

Hand protection: Suitable protective gloves (In case of accidental release only)

Eye protection: Protective glasses

9. Physical and chemical properties

| | |
|----------------------------------|--------------------------------|
| Form: | liquid |
| Colour: | colourless |
| Odour: | odourless |
| pH-value: | approx. 7 |
| Boiling point: | approx. 100°C |
| Flashpoint: | not applicable |
| Autoignition temperature: | not self-igniting |
| Explosion properties: | not explosive. |
| Vapour pressure: | undetermined. |
| Density: | approx. 1g / cm ³ . |
| Solubility: | Water: 100%. |
| Solvent percentage: | < 0.0% |

10. Stability and Reactivity

Conditions to avoid: No decomposition if used according to specifications.

Materials to avoid: No dangerous reaction known.

Hazardous decomposition products: No decomposition products known.

11. Toxicological Information

Skin contact: No irritation known.

Eye contact: Irritation.

Further information: Product is not subject to labelling

Manufactured for:

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



12. Ecological information

General information: Not hazardous to water.

Mobility and bioaccumulation: No bioaccumulation known.

Ecotoxicity: No ecotoxicity known.

13. Disposal Considerations

Waste from residues: Disposal must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations.
For references and partners, please refer to www.retrologistik.de

14. Transport information

International regulations:

Transport by road: RID/ ADR/ DoT49 CFR

Class: -

By sea IMDG/GGVSee

Class: -

By air: ICAO-TI, IATA-DGR

Class: -

Transport / further information: Due to the small quantities this product is not hazardous according to recent regulations on hazardous material.

15. Regulatory Information

Labelling according to EU-Directives: The product is not subject to labelling under EU directives.
Observe the general safety regulations when handling chemicals.

Classification according to Classification as per German Health and Safety at Work Regulations (BetrSichV):- Not hazardous to water.

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. This safety data sheet describes our products with respect to safety requirements, however, it does not provide any guarantee on product properties and does not constitute any legal relationship.

Relevant R-phrases: Not applicable