American Laboratory Products Company (ALPCO) Safety Data Sheet

Product Identifier:

Name: Bovine CRP ELISA Kit

Catalog Number: 41-CRPBO-E01

Supplier Details:
Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA
Phone: 1-603-893-8914

Emergency phone: 911 if in USA. Use relevant local phone number if outside the USA.

This product is a multipart kit product. It contains multiple independently packaged components. This safety data sheet document contains information for each of the components listed below. It is strongly suggested that the pages not be split up but maintained as a cohesive document.

Kit Product Components:
- Antibody Coated Micro Plate
- Enzyme Conjugate Detection Antibody
- Calibrator
- Diluent Concentrate
- Wash Solution Concentrate
- Chromogen-Substrate Solution (3,3',5,5'-Tetramethylbenzidine(TMB)
- Stop Solution

CAS Number: Not Applicable to product

EC Index Number: Not Applicable to product

EC List Number: Not Applicable to product

REACH Registration Number: Not Applicable to product

The information provided in this document to include the individual component pages is believed to be correct but does not purport to be all-inclusive. This document is intended to be used only as a guide. It is incumbent on the user to read and fully understand the document prior to using the product or any of its components. ALPCO shall not be liable or responsible in any way for use of either this information or the product supplied. Final determination of suitability and safe use of these materials is the sole responsibility of the user. Although a level of information has been made available, it is not a guarantee that no other hazards exist or will not appear during the use of the product and its components. It is incumbent on the user to know and or determine which local, regional, national and/or global regulations are relevant concerning use and/or transportation of the product and/or its components prior to the use or the shipment of the product and/or components. Although a level of information has been made available, it is not to be assumed that it is all inclusive.
Disposal of waste may be subject to local, regional, national and/or global regulations. It is the responsibility of the user to dispose of the product and its components according to those regulations and laws.

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifiers
Name: Antibody Coated Micro Plate
Catalog Number: N/A
Product is neither a nanoform nor contains nanoforms. Product does not contain any animal by-products.
Product is not considered to be hazardous; an Unique Formula Identifier (UFI) is not required

A chemical safety assessment has not been made for this component.

1.2 Product is to be used for research and manufacturing purposes. Product is for in vitro use only. Product is not for use in diagnostic applications. Product is not for animal or human consumption.

1.3 Supplier: American Laboratory Products Company (ALPCO)
Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA

1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outside the USA.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 [CLP], GHS or 29 CFR 1910.1200 [OSHA].

2.2 Label Elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other Hazards

None. No component or ingredient is an endocrine-disrupting substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance
Plastic

3.2 Mixture

Not Applicable

This product does not contain hazardous chemicals at concentrations of 1% or greater.
This product is not known to contain carcinogens at concentrations of 0.1% or greater.3.2 Mixtures

4. FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion: wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation Exposure: remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Exposure: immediately flush with copious amounts of water and wash with soap and water. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
Eye Exposure: flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.

4.2 Most important symptoms and effects, acute and/or delayed

No data.

4.3 Indication of immediate medical attention and special treatment needed

No data.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Dry chemical, foam, carbon dioxide, or water fire extinguisher.

5.2 Special Hazards

Ambient fire may liberate hazardous vapors.

5.3 Precautions for fire-fighters

Fire fighting media should be selected depending on the surrounding materials and equipment. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear approved safety eyewear and protective gloves.

6.2 Environmental precautions
Avoid putting into drain or sewer systems.

6.3 Methods and materials for containment and clean up

Use paper towels or chemical wicks to wipe up and pick-up spilled materials. Use broom or vacuum to pick up solid pieces.

6.4 Reference to other safety data sheet (SDS) sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Should only be handled and used by qualified, trained professionals.
Wear protective eyewear, clothing, gloves and other gear whenever handling.

7.2 Condition for safe storage and incompatibilities

Keep tightly closed and store at 2-8°C unless indicated otherwise on the product data sheet.

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters to include specific PPE

Contains no substances with occupational exposure limit values.
Wear protective eyewear, clothing, gloves and other gear whenever handling.
Use chemical resistant gloves. Inspect gloves before use.

8.2 Exposure controls

Ensure all engineering measures listed in section 7 are in place.
Know location of and verify functionality of nearest safety eyewash.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

(a) Physical State: solid
(b) Color: clear
(c) Odor: none
(d) Melting point / freezing point: No data
(e) Boiling point or initial boiling point and boiling range: No data
(f) Flammability: No data
(g) Lower and upper explosion limit: No data
(h) Flash point: No data
(i) Auto-ignition temperature: No data
(j) Decomposition temperature: No data
(k) pH: Not applicable
(l) Kinematic viscosity: Not applicable
(m) Solubility: Not applicable
(n) Partition coefficient n-octanol/water (log value): No data
(o) Vapor pressure: No data
(p) Density and/or relative density: No data
(q) Relative vapor density: No data
(r) Particle characteristics: No data

9.2.1 Information with Regard to Physical Hazard Classes

(a) Explosives: not explosive
(b) Flammable gases: No data
(c) Aerosols: No data
(d) Oxidizing gases: not an oxidizer
(e) Gases under pressure: No data
(f) Flammable liquids: No data
(g) Flammable solids: No data
(h) Self-reactive substances and mixtures: No data
(i) Pyrophoric liquids: No data
(j) Pyrophoric solids: No data
(k) Substances and mixtures which emit flammable gases when in contact with water: No data
(o) Oxidizing liquids: No data
(p) Oxidizing solids: No data
(q) Desensitized explosives: No data

9.2.2 Other safety information

(a) Mechanical sensitivity: No data
(b) Self-accelerating polymerization temperature: No data
(c) Formation of explosible dust/air mixtures: No data
(d) acid/alkaline reserve: No data
(e) Evaporation rate: No data
(f) Miscibility: No data
(g) Conductivity: No data
(h) Corrosiveness: No data
(i) gas group: No data
(j) redox potential: No data

(k) radical formation potential: No data
(l) Photocatalytic properties: No data

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data

10.2 Chemical stability

Stable if transported and stored per recommendations.

10.3 Possibility of hazardous reactions

Stable if transported and stored per recommendations.

10.4 Conditions to avoid

Excessive heat or cold.

10.5 Incompatible materials

No data

10.6 Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

A chemical safety assessment has not been made for this component.

Acute Toxicity: No data
Skin Corrosion/Irritation: No data
Serious Eye Damage / Irritation: No data
Respiratory or skin sensitization: No data
Germ Cell Mutagenicity: No data
Carcinogenicity: No data
Reproductive Toxicity: No data
Specific target organ toxicity – single exposure: No data
Specific target organ toxicity repeated exposure: No data
Aspiration hazard: No data
Symptoms / Routes of exposure
Inhalation: No data
Ingestion: No data
Skin: No data
Eyes: No data
Delayed / Immediate effects: No data

11.2.1 Endocrine disrupting properties: No data

11.2.2 Information on other hazards: No data

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data

12.2 Persistence and degradability: No data

12.3 Bioaccumulative: No data

12.4 Mobility in soil: No data

12.5 Results of PBT and vPvB assessment: No data

12.6 Adverse effects on environment from endocrine-disrupting properties: No data

12.7 Other adverse effects: No data

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment methods

Product: Waste must be disposed according to federal, state, and local regulations.

Contaminated packaging: Waste must be disposed according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model regulations as reflected in the IMDG code ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group
Does not meet the criteria for classification as hazardous for transport.
14.5 Environmental hazards
Does not meet the criteria for classification as hazardous for transport.
14.6 Special precautions for users
Does not meet the criteria for classification as hazardous for transport.
14.7 Maritime transport in bulk according to IMO instruments
Does not meet the criteria for classification as hazardous for transport.
Additional transport information:
Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION
This safety data sheet complies with the requirements of regulation (EC) No. 453/2010.
Classification of the mixture according to Regulation (EC) No 1272/2008(CLP) and Regulation 2015/830 as applicable.
15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture
15.2 Chemical safety assessment
Toxic Substances Control Act (TSCA): not listed
SARA 313: not listed
SARA 311/312 Hazards: not listed
CERCLA Reportable Quantity: 1000 pounds
California Proposition 65: does not contain any chemicals subject to California Prop. 65 regulations.
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.
German water hazard class for 1 Appendix No. 4
Right to know: Pennsylvania, New Jersey

A chemical safety assessment has not been made for this component.

16. OTHER INFORMATION
Document Creation Date: May 05, 2022
Document Revision Date: N/A
Description of Change(s): N/A

End of Section

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY
1.1 Product Identifiers
Name: Enzyme Conjugated Detection Antibody
Catalog Number: N/A
Product is neither a nanoform nor contains nanoforms. Product does not contain any animal by-products.
Product is not considered to be hazardous; an Unique Formula Identifier (UFI) is not required
A chemical safety assessment has not been made for this component.
1.2 Product is to be used for research and manufacturing purposes. Product is for in vitro use only.
Product is not for use in diagnostic applications. Product is not for animal or human consumption.
1.3 Supplier: American Laboratory Products Company (ALPCO)
Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA
1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outside the USA

2. HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture
This mixture does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 [CLP], GHS or 29 CFR 1910.1200 [OSHA].
2.2 Label Elements
The product does not need to be labelled in accordance with EC directives or respective national laws.
2.3 Other Hazards
None. No component or ingredient is an endocrine-disrupting substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substance
Not Applicable.

3.2 Mixtures

This product does not contain hazardous chemicals at concentrations of 1% or greater.
This product is not known to contain carcinogens at concentrations of 0.1% or greater.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion: wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation Exposure: remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Exposure: immediately flush with copious amounts of water and wash with soap and water. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
Eye Exposure: flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.

4.2 Most important symptoms and effects, acute and/or delayed

No data at supplied concentration.

4.3 indication of immediate medical attention and special treatment needed

No data at supplied concentration.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Dry chemical, foam, carbon dioxide, or water fire extinguisher.

5.2 Special Hazards

Ambient fire may liberate hazardous vapors.

5.3 precautions for fire-fighters

Fire fighting media should be selected depending on the surrounding materials and equipment. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear approved safety eyewear and protective gloves.

6.2 Environmental precautions

Avoid putting into drain or sewer systems.

6.3 Methods and materials for containment and clean up

Use paper towels or chemical wicks to wipe up and pick-up spilled materials.

6.4 Reference to other safety data sheet (SDS) sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Should only be handled and used by qualified, trained professionals.
Wear protective eyewear, clothing, gloves and other gear whenever handling.

7.2 condition for safe storage and incompatibilities

Keep tightly closed and store at 2-8°C unless indicated otherwise on the product data sheet.

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters to include specific PPE

Contains no substances with occupational exposure limit values.
Wear protective eyewear, clothing, gloves and other gear whenever handling.
Use chemical resistant gloves. Inspect gloves before use.

8.2 Exposure controls

Ensure all engineering measures listed in section 7 are in place.
Know location of and verify functionality of nearest safety eyewash.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

(a) Physical State: liquid
(b) Color: clear to light brown
(c) Odor: No data at supplied concentration
(d) Melting point / freezing point: No data at supplied concentration

(e) Boiling point or initial boiling point and boiling range: No data at supplied concentration
(f) Flammability: No data at supplied concentration
(g) Lower and upper explosion limit: No data at supplied concentration
(h) Flash point: No data at supplied concentration
(i) Auto-ignition temperature: No data at supplied concentration
(j) Decomposition temperature: No data at supplied concentration
(k) pH: No data at supplied concentration
(l) Kinematic viscosity: No data at supplied concentration
(m) Solubility: No data at supplied concentration
(n) Partition coefficient n-octanol/water (log value): No data at supplied concentration
(o) Vapor pressure: No data at supplied concentration
(p) Density and/or relative density: No data at supplied concentration
(q) Relative vapor density: No data at supplied concentration
(r) Particle characteristics: No data at supplied concentration

9.2.1 Information with Regard to Physical Hazard Classes

(a) Explosives: No data at supplied concentration
(b) Flammable gases: No data at supplied concentration
(c) Aerosols: No data at supplied concentration
(d) Oxidizing gases: No data at supplied concentration
(e) Gases under pressure: No data at supplied concentration
(f) Flammable liquids: No data at supplied concentration
(g) Flammable solids: No data at supplied concentration
(h) Self-reactive substances and mixtures: No data at supplied concentration
(i) Pyrophoric liquids: No data at supplied concentration
(j) Pyrophoric solids: No data at supplied concentration

(k) Substances and mixtures which emit flammable gases when in contact with water:
No data at supplied concentration

(o) Oxidizing liquids: No data at supplied concentration
(p) Oxidizing solids: No data at supplied concentration
(q) Desensitized explosives: No data at supplied concentration

9.2.2 Other safety information

(a) Mechanical sensitivity: No data at supplied concentration
(b) Self-accelerating polymerization temperature: No data at supplied concentration
(c) Formation of explosible dust/air mixtures: No data at supplied concentration
(d) acid/alkaline reserve: No data at supplied concentration
(e) Evaporation rate: No data at supplied concentration
(f) Miscibility: No data at supplied concentration
(g) Conductivity: No data at supplied concentration
(h) Corrosiveness: No data at supplied concentration
(i) gas group: No data at supplied concentration
(j) redox potential: No data at supplied concentration
(k) radical formation potential: No data at supplied concentration
(l) Photocatalytic properties: No data at supplied concentration

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data at supplied concentration

10.2 Chemical stability

Stable if transported and stored per recommendations.

10.3 Possibility of hazardous reactions

Stable if transported and stored per recommendations.

10.4 Conditions to avoid

Excessive heat or cold.

10.5 Incompatible materials

No data at supplied concentration

10.6 Hazardous decomposition products

No data at supplied concentration

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

A chemical safety assessment has not been made for this component.

Acute Toxicity: No data at supplied concentration

Skin Corrosion/Irritation: No data at supplied concentration
Serious Eye Damage / Irritation: No data at supplied concentration
Respiratory or skin sensitization: No data at supplied concentration
Germ Cell Mutagenicity: No data at supplied concentration
Carcinogenicity: No data at supplied concentration
Reproductive Toxicity: No data at supplied concentration
Specific target organ toxicity – single exposure: No data at supplied concentration
Specific target organ toxicity repeated exposure: No data at supplied concentration
Aspiration hazard: No data at supplied concentration
Symptoms / Routes of exposure
Inhalation: No data at supplied concentration
Ingestion: No data at supplied concentration
Skin: No data at supplied concentration
Eyes: No data at supplied concentration
Delayed / Immediate effects: No data at supplied concentration

11.2.1 Endocrine disrupting properties: No data at supplied concentration
11.2.2 Information on other hazards: No data at supplied concentration

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data at supplied concentration
12.2 Persistence and degradability: No data at supplied concentration
12.3 Bioaccumulative: No data at supplied concentration
12.4 Mobility in soil: No data at supplied concentration
12.5 Results of PBT and vPvB assessment: No data at supplied concentration
12.6 Adverse effects on environment from endocrine-disrupting properties: No data at supplied concentration
12.7 Other adverse effects: No data at supplied concentration

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment methods

Product: Waste must be disposed according to federal, state, and local regulations.
Contaminated packaging: Waste must be disposed according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model regulations as reflected in the IMDG code ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

14.7 Maritime transport in bulk according to IMO instruments

Does not meet the criteria for classification as hazardous for transport.

Additional transport information:

Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of regulation (EC) No. 453/2010.
Classification of the mixture according to Regulation (EC) No 1272/2008(CLP) and Regulation 2015/830 as applicable.

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

15.2 Chemical safety assessment

Toxic Substances Control Act (TSCA): not listed
SARA 302, 311/312, 313: no hazardous ingredient in an amount that requires identification and labeling in the supplied concentration
CERCLA Reportable Quantity: 1000 pounds

California Proposition 65: does not contain any chemicals subject to California Prop. 65 regulations.
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.
German water hazard class for 1 Appendix No. 4
Right to know: Massachusetts, Pennsylvania, New Jersey

A chemical safety assessment has not been made for this component.

16. OTHER INFORMATION
Document Creation Date: May 05, 2022
Document Revision Date: N/A
Description of Change(s): N/A

End of Section

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY
1.1 Product Identifiers
Name: Calibrator
Catalog Number: N/A
Product is neither a nanoform nor contains nanoforms. Product does not contain any animal by-products.
Product is not considered to be hazardous; an Unique Formula Identifier (UFI) is not required
A chemical safety assessment has not been made for this component.
1.2 Product is to be used for research and manufacturing purposes. Product is for in vitro use only. Product is not for use in diagnostic applications. Product is not for animal or human consumption.

1.3 Supplier: American Laboratory Products Company (ALPCO)
Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA
1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outside the USA

2. HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture
This mixture does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 [CLP], GHS or 29 CFR 1910.1200 [OSHA].
2.2 Label Elements
The product does not need to be labelled in accordance with EC directives or respective national laws.
2.3 Other Hazards
None. No component or ingredient is an endocrine-disrupting substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substance
Not Applicable.
3.2 Mixtures
This product does not contain hazardous chemicals at concentrations of 1% or greater.
This product is not known to contain carcinogens at concentrations of 0.1% or greater.

4. FIRST AID MEASURES
4.1 Description of first aid measures
Ingestion: wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation Exposure: remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Exposure: immediately flush with copious amounts of water and wash with soap and water. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
Eye Exposure: flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.
4.2 Most important symptoms and effects, acute and/or delayed
No data at supplied concentration.
4.3 indication of immediate medical attention and special treatment needed
No data at supplied concentration.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Dry chemical, foam, carbon dioxide, or water fire extinguisher.

5.2 Special Hazards

Ambient fire may liberate hazardous vapors.

5.3 precautions for fire-fighters

Fire fighting media should be selected depending on the surrounding materials and equipment. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear approved safety eyewear and protective gloves.

6.2 Environmental precautions

Avoid putting into drain or sewer systems.

6.3 Methods and materials for containment and clean up

Use paper towels or chemical wicks to wipe up and pick-up spilled materials.

6.4 Reference to other safety data sheet (SDS) sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Should only be handled and used by qualified, trained professionals.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

7.2 condition for safe storage and incompatibilities

Keep tightly closed and store at 2-8°C unless indicated otherwise on the product data sheet.

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters to include specific PPE

Contains no substances with occupational exposure limit values.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

Use chemical resistant gloves. Inspect gloves before use.

8.2 Exposure controls

Ensure all engineering measures listed in section 7 are in place.

Know location of and verify functionality of nearest safety eyewash.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

(a) Physical State: solid
(b) Color: white to light brown
(c) Odor: No data at supplied concentration
(d) Melting point / freezing point: No data at supplied concentration
(e) Boiling point or initial boiling point and boiling range: No data at supplied concentration
(f) Flammability: No data at supplied concentration
(g) Lower and upper explosion limit: No data at supplied concentration
(h) Flash point: No data at supplied concentration
(i) Auto-ignition temperature: No data at supplied concentration
(j) Decomposition temperature: No data at supplied concentration
(k) pH: No data at supplied concentration
(l) Kinematic viscosity: No data at supplied concentration
(m) Solubility: No data at supplied concentration
(n) Partition coefficient n-octanol/water (log value): No data at supplied concentration
(o) Vapor pressure: No data at supplied concentration
(p) Density and/or relative density: No data at supplied concentration
(q) Relative vapor density: No data at supplied concentration
(r) Particle characteristics: No data at supplied concentration

9.2.1 Information with Regard to Physical Hazard Classes

(a) Explosives: No data at supplied concentration
(b) Flammable gases: No data at supplied concentration
(c) Aerosols: No data at supplied concentration
(d) Oxidizing gases: No data at supplied concentration
(e) Gases under pressure: No data at supplied concentration

(f) Flammable liquids: No data at supplied concentration
(g) Flammable solids: No data at supplied concentration
(h) Self-reactive substances and mixtures: No data at supplied concentration
(i) Pyrophoric liquids: No data at supplied concentration
(j) Pyrophoric solids: No data at supplied concentration
(k) Substances and mixtures which emit flammable gases when in contact with water:
No data at supplied concentration
(o) Oxidizing liquids: No data at supplied concentration
(p) Oxidizing solids: No data at supplied concentration
(q) Desensitized explosives: No data at supplied concentration

9.2.2 Other safety information

(a) Mechanical sensitivity: No data at supplied concentration
(b) Self-accelerating polymerization temperature: No data at supplied concentration
(c) Formation of explosible dust/air mixtures: No data at supplied concentration
(d) acid/alkaline reserve: No data at supplied concentration
(e) Evaporation rate: No data at supplied concentration
(f) Miscibility: No data at supplied concentration
(g) Conductivity: No data at supplied concentration
(h) Corrosiveness: No data at supplied concentration
(i) gas group: No data at supplied concentration
(j) redox potential: No data at supplied concentration
(k) radical formation potential: No data at supplied concentration
(l) Photocatalytic properties: No data at supplied concentration

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data at supplied concentration

10.2 Chemical stability

Stable if transported and stored per recommendations.

10.3 Possibility of hazardous reactions

Stable if transported and stored per recommendations.

10.4 Conditions to avoid

Excessive heat or cold.

10.5 Incompatible materials

No data at supplied concentration

10.6 Hazardous decomposition products

No data at supplied concentration

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

A chemical safety assessment has not been made for this component.
A chemical safety assessment has not been made for this component.
Acute Toxicity: No data at supplied concentration
Skin Corrosion/Irritation: No data at supplied concentration
Serious Eye Damage / Irritation: No data at supplied concentration
Respiratory or skin sensitization: No data at supplied concentration
Germ Cell Mutagenicity: No data at supplied concentration
Carcinogenicity: No data at supplied concentration
Reproductive Toxicity: No data at supplied concentration
Specific target organ toxicity – single exposure: No data at supplied concentration
Specific target organ toxicity repeated exposure: No data at supplied concentration
Aspiration hazard: No data at supplied concentration
Symptoms / Routes of exposure
Inhalation: No data at supplied concentration
Ingestion: No data at supplied concentration
Skin: No data at supplied concentration
Eyes: No data at supplied concentration
Delayed / Immediate effects: No data at supplied concentration

11.2.1 Endocrine disrupting properties: No data at supplied concentration

11.2.2 Information on other hazards: No data at supplied concentration

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data at supplied concentration
12.2 Persistence and degradability: No data at supplied concentration
12.3 Bioaccumulative: No data at supplied concentration
12.4 Mobility in soil: No data at supplied concentration
12.5 Results of PBT and vPvB assessment: No data at supplied concentration
12.6 Adverse effects on environment from endocrine-disrupting properties: No data at supplied concentration
12.7 Other adverse effects: No data at supplied concentration

13. DISPOSAL CONSIDERATIONS
13.1 Waste Treatment methods
Product: Waste must be disposed according to federal, state, and local regulations.
Contaminated packaging: Waste must be disposed according to federal, state, and local regulations.

14. TRANSPORT INFORMATION
Classified according to the criteria of the UN Model regulations as reflected in the IMDG code ADR, RID, DOT and IATA.
14.1 UN-Number
Does not meet the criteria for classification as hazardous for transport.
14.2 UN proper shipping name
Does not meet the criteria for classification as hazardous for transport.
14.3 Transport hazard class
Does not meet the criteria for classification as hazardous for transport.
14.4 Packaging group
Does not meet the criteria for classification as hazardous for transport.
14.5 Environmental hazards
Does not meet the criteria for classification as hazardous for transport.
14.6 Special precautions for users
Does not meet the criteria for classification as hazardous for transport.
14.7 Maritime transport in bulk according to IMO instruments
Does not meet the criteria for classification as hazardous for transport.
Additional transport information:
Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION
This safety data sheet complies with the requirements of regulation (EC) No. 453/2010.
Classification of the mixture according to Regulation (EC) No 1272/2008(CLP) and Regulation 2015/830 as applicable.
15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture
15.2 Chemical safety assessment
Toxic Substances Control Act (TSCA): not listed
SARA 302, 311/312, 313: no hazardous ingredient in an amount that requires identification and labeling in the supplied concentration
CERCLA Reportable Quantity: 1000 pounds
California Proposition 65: does not contain any chemicals subject to California Prop. 65 regulations.
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.
German water hazard class for 1 Appendix No. 4
Right to know: Massachusetts, Pennsylvania, New Jersey

A chemical safety assessment has not been made for this component.

16. OTHER INFORMATION
Document Creation Date: May 05, 2022
Document Revision Date: N/A
Description of Change(s): N/A

End of Section

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY
1.1 Product Identifiers
Name: Diluent Solution or Concentrate
Catalog Number: N/A

Product is neither a nanoform nor contains nanoforms. Product does not contain any animal by-products.
Product is not considered to be hazardous; an Unique Formula Identifier (UFI) is not required
A chemical safety assessment has not been made for this component.
1.2 Product is to be used for research and manufacturing purposes. Product is for in vitro use only. Product is not for use in diagnostic applications. Product is not for animal or human consumption.
1.3 Supplier: American Laboratory Products Company (ALPCO)
Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA
1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outside the USA

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Skin Sensitizer: Category 1A
2.2 Label Elements
Signal Word: Warning
Symbol:



Hazard Statement(s)
H315 may cause skin irritation
H319 may cause eye irritation

Precautionary Statement(s)
P280 wear protective gloves, clothing, eye and face protection
P270 do not eat, drink or smoke when using component
P264 wash hands thoroughly after use
Practice good laboratory hygiene.

2.3 Other Hazards
None. No component or ingredient is an endocrine-disrupting substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance
Not Applicable.
3.2 Mixtures
This product does not contain hazardous chemicals at concentrations of 1% or greater.
This product is not known to contain carcinogens at concentrations of 0.1% or greater.

Component	CAS Number	CLP Number	Weight % content (or range)
Proclin 300 (5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1))	55965-84-9	613-167-00-5	0.001 – 0.01

4. FIRST AID MEASURES

4.1 Description of first aid measures
Ingestion: wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation Exposure: remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Exposure: immediately flush with copious amounts of water and wash with soap and water. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
Eye Exposure: flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.
4.2 Most important symptoms and effects, acute and/or delayed
No data at supplied concentration.
4.3 indication of immediate medical attention and special treatment needed
No data at supplied concentration.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Dry chemical, foam, carbon dioxide, or water fire extinguisher.

5.2 Special Hazards

Ambient fire may liberate hazardous vapors.

5.3 precautions for fire-fighters

Fire fighting media should be selected depending on the surrounding materials and equipment. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear approved safety eyewear and protective gloves.

6.2 Environmental precautions

Avoid putting into drain or sewer systems.

6.3 Methods and materials for containment and clean up

Use paper towels or chemical wicks to wipe up and pick-up spilled materials.

6.4 Reference to other safety data sheet (SDS) sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Should only be handled and used by qualified, trained professionals.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

7.2 condition for safe storage and incompatibilities

Keep tightly closed and store at 2-8°C unless indicated otherwise on the product data sheet.

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters to include specific PPE

Contains no substances with occupational exposure limit values.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

Use chemical resistant gloves. Inspect gloves before use.

8.2 Exposure controls

Ensure all engineering measures listed in section 7 are in place.

Know location of and verify functionality of nearest safety eyewash.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

(a) Physical State: liquid
(b) Color: green
(c) Odor: No data at supplied concentration
(d) Melting point / freezing point: No data at supplied concentration
(e) Boiling point or initial boiling point and boiling range: No data at supplied concentration
(f) Flammability: No data at supplied concentration
(g) Lower and upper explosion limit: No data at supplied concentration
(h) Flash point: No data at supplied concentration
(i) Auto-ignition temperature: No data at supplied concentration
(j) Decomposition temperature: No data at supplied concentration
(k) pH: No data at supplied concentration
(l) Kinematic viscosity: No data at supplied concentration
(m) Solubility: No data at supplied concentration
(n) Partition coefficient n-octanol/water (log value): No data at supplied concentration
(o) Vapor pressure: No data at supplied concentration
(p) Density and/or relative density: No data at supplied concentration
(q) Relative vapor density: No data at supplied concentration
(r) Particle characteristics: No data at supplied concentration

9.2.1 Information with Regard to Physical Hazard Classes

(a) Explosives: No data at supplied concentration
(b) Flammable gases: No data at supplied concentration
(c) Aerosols: No data at supplied concentration
(d) Oxidizing gases: No data at supplied concentration
(e) Gases under pressure: No data at supplied concentration

(f) Flammable liquids: No data at supplied concentration
(g) Flammable solids: No data at supplied concentration
(h) Self-reactive substances and mixtures: No data at supplied concentration
(i) Pyrophoric liquids: No data at supplied concentration
(j) Pyrophoric solids: No data at supplied concentration
(k) Substances and mixtures which emit flammable gases when in contact with water: No data at supplied concentration
(o) Oxidizing liquids: No data at supplied concentration
(p) Oxidizing solids: No data at supplied concentration
(q) Desensitized explosives: No data at supplied concentration

9.2.2 Other safety information
(a) Mechanical sensitivity: No data at supplied concentration
(b) Self-accelerating polymerization temperature: No data at supplied concentration
(c) Formation of explosible dust/air mixtures: No data at supplied concentration
(d) acid/alkaline reserve: No data at supplied concentration
(e) Evaporation rate: No data at supplied concentration
(f) Miscibility: No data at supplied concentration
(g) Conductivity: No data at supplied concentration
(h) Corrosiveness: No data at supplied concentration
(i) gas group: No data at supplied concentration
(j) redox potential: No data at supplied concentration
(k) radical formation potential: No data at supplied concentration
(l) Photocatalytic properties: No data at supplied concentration

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data at supplied concentration

10.2 Chemical stability
Stable if transported and stored per recommendations.

10.3 Possibility of hazardous reactions
Stable if transported and stored per recommendations.

10.4 Conditions to avoid
Excessive heat or cold.

10.5 Incompatible materials
No data at supplied concentration

10.6 Hazardous decomposition products
No data at supplied concentration

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
A chemical safety assessment has not been made for this component.
Acute Toxicity: No data at supplied concentration
Skin Corrosion/Irritation: No data at supplied concentration
Serious Eye Damage / Irritation: No data at supplied concentration
Respiratory or skin sensitization: No data at supplied concentration
Germ Cell Mutagenicity: No data at supplied concentration
Carcinogenicity: No data at supplied concentration
Reproductive Toxicity: No data at supplied concentration
Specific target organ toxicity – single exposure: No data at supplied concentration
Specific target organ toxicity repeated exposure: No data at supplied concentration
Aspiration hazard: No data at supplied concentration
Symptoms / Routes of exposure
Inhalation: No data at supplied concentration
Ingestion: No data at supplied concentration
Skin: No data at supplied concentration
Eyes: No data at supplied concentration
Delayed / Immediate effects: No data at supplied concentration

11.2.1 Endocrine disrupting properties: No data at supplied concentration
11.2.2 Information on other hazards: No data at supplied concentration

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data at supplied concentration

12.2 Persistence and degradability: No data at supplied concentration
12.3 Bioaccumulative: No data at supplied concentration
12.4 Mobility in soil: No data at supplied concentration
12.5 Results of PBT and vPvB assessment: No data at supplied concentration
12.6 Adverse effects on environment from endocrine-disrupting properties: No data at supplied concentration
12.7 Other adverse effects: No data at supplied concentration

13. DISPOSAL CONSIDERATIONS
13.1 Waste Treatment methods
Product: Waste must be disposed according to federal, state, and local regulations.
Contaminated packaging: Waste must be disposed according to federal, state, and local regulations.

14. TRANSPORT INFORMATION
Classified according to the criteria of the UN Model regulations as reflected in the IMDG code ADR, RID, DOT and IATA.
14.1 UN-Number
Does not meet the criteria for classification as hazardous for transport.
14.2 UN proper shipping name
Does not meet the criteria for classification as hazardous for transport.
14.3 Transport hazard class
Does not meet the criteria for classification as hazardous for transport.
14.4 Packaging group
Does not meet the criteria for classification as hazardous for transport.
14.5 Environmental hazards
Does not meet the criteria for classification as hazardous for transport.
14.6 Special precautions for users
Does not meet the criteria for classification as hazardous for transport.
14.7 Maritime transport in bulk according to IMO instruments
Does not meet the criteria for classification as hazardous for transport.
Additional transport information:
Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION
This safety data sheet complies with the requirements of regulation (EC) No. 453/2010.
Classification of the mixture according to Regulation (EC) No 1272/2008(CLP) and Regulation 2015/830 as applicable.
15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture
15.2 Chemical safety assessment
Toxic Substances Control Act (TSCA): not listed.
SARA 302, 311/312, 313: no hazardous ingredient in an amount that requires identification and labeling in the supplied concentration
CERCLA Reportable Quantity: 1000 pounds
California Proposition 65: does not contain any chemicals subject to California Prop. 65 regulations.
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.
German water hazard class for 1 Appendix No. 4
Right to know: Massachusetts, Pennsylvania, New Jersey

A chemical safety assessment has not been made for this component.

16. OTHER INFORMATION
Document Creation Date: May 05, 2022
Document Revision Date: N/A
Description of Change(s): N/A

End of Section

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY
1.1 Product Identifiers
Name: Wash Solution Concentrate
Catalog Number: N/A

Product is neither a nanoform nor contains nanoforms. Product does not contain any animal by-products.
Product is not considered to be hazardous; an Unique Formula Identifier (UFI) is not required.
A chemical safety assessment has not been made for this component.
1.2 Product is to be used for research and manufacturing purposes. Product is for in vitro use only. Product is not for use in diagnostic applications. Product is not for animal or human consumption.
1.3 Supplier: American Laboratory Products Company (ALPCO)
Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA
1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outside the USA.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Skin Sensitizer: Category 1A
2.2 Label Elements
Signal Word: Warning
Symbol:



Hazard Statement(s)
H315 may cause skin irritation
H319 may cause eye irritation

Precautionary Statement(s)
P280 wear protective gloves, clothing, eye and face protection
P270 do not eat, drink or smoke when using component
P264 wash hands thoroughly after use
Practice good laboratory hygiene.

2.3 Other Hazards
None. No component or ingredient is an endocrine-disrupting substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance
Not Applicable.
3.2 Mixtures
This product does not contain hazardous chemicals at concentrations of 1% or greater.
This product is not known to contain carcinogens at concentrations of 0.1% or greater.

Component	CAS Number	CLP Number	Weight % content (or range)
Proclin 300 (5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1))	55965-84-9	613-167-00-5	0.001 – 0.01

4. FIRST AID MEASURES

4.1 Description of first aid measures
Ingestion: wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation Exposure: remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Exposure: immediately flush with copious amounts of water and wash with soap and water. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
Eye Exposure: flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.
4.2 Most important symptoms and effects, acute and/or delayed
No data at supplied concentration.
4.3 indication of immediate medical attention and special treatment needed
No data at supplied concentration.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Dry chemical, foam, carbon dioxide, or water fire extinguisher.

5.2 Special Hazards

Ambient fire may liberate hazardous vapors.

5.3 precautions for fire-fighters

Fire fighting media should be selected depending on the surrounding materials and equipment. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear approved safety eyewear and protective gloves.

6.2 Environmental precautions

Avoid putting into drain or sewer systems.

6.3 Methods and materials for containment and clean up

Use paper towels or chemical wicks to wipe up and pick-up spilled materials.

6.4 Reference to other safety data sheet (SDS) sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Should only be handled and used by qualified, trained professionals.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

7.2 condition for safe storage and incompatibilities

Keep tightly closed and store at 2-8°C unless indicated otherwise on the product data sheet.

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters to include specific PPE

Contains no substances with occupational exposure limit values.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

Use chemical resistant gloves. Inspect gloves before use.

8.2 Exposure controls

Ensure all engineering measures listed in section 7 are in place.

Know location of and verify functionality of nearest safety eyewash.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

(a) Physical State: liquid

(b) Color: clear

(c) Odor: No data at supplied concentration

(d) Melting point / freezing point: No data at supplied concentration

(e) Boiling point or initial boiling point and boiling range: No data at supplied concentration

(f) Flammability: No data at supplied concentration

(g) Lower and upper explosion limit: No data at supplied concentration

(h) Flash point: No data at supplied concentration

(i) Auto-ignition temperature: No data at supplied concentration

(j) Decomposition temperature: No data at supplied concentration

(k) pH: No data at supplied concentration

(l) Kinematic viscosity: No data at supplied concentration

(m) Solubility: No data at supplied concentration

(n) Partition coefficient n-octanol/water (log value): No data at supplied concentration

(o) Vapor pressure: No data at supplied concentration

(p) Density and/or relative density: No data at supplied concentration

(q) Relative vapor density: No data at supplied concentration

(r) Particle characteristics: No data at supplied concentration

9.2.1 Information with Regard to Physical Hazard Classes

(a) Explosives: No data at supplied concentration

(b) Flammable gases: No data at supplied concentration

(c) Aerosols: No data at supplied concentration

(d) Oxidizing gases: No data at supplied concentration
(e) Gases under pressure: No data at supplied concentration
(f) Flammable liquids: No data at supplied concentration
(g) Flammable solids: No data at supplied concentration
(h) Self-reactive substances and mixtures: No data at supplied concentration
(i) Pyrophoric liquids: No data at supplied concentration
(j) Pyrophoric solids: No data at supplied concentration
(k) Substances and mixtures which emit flammable gases when in contact with water: No data at supplied concentration
(o) Oxidizing liquids: No data at supplied concentration
(p) Oxidizing solids: No data at supplied concentration
(q) Desensitized explosives: No data at supplied concentration

9.2.2 Other safety information

(a) Mechanical sensitivity: No data at supplied concentration
(b) Self-accelerating polymerization temperature: No data at supplied concentration
(c) Formation of explosible dust/air mixtures: No data at supplied concentration
(d) acid/alkaline reserve: No data at supplied concentration
(e) Evaporation rate: No data at supplied concentration
(f) Miscibility: No data at supplied concentration
(g) Conductivity: No data at supplied concentration
(h) Corrosiveness: No data at supplied concentration
(i) gas group: No data at supplied concentration
(j) redox potential: No data at supplied concentration
(k) radical formation potential: No data at supplied concentration
(l) Photocatalytic properties: No data at supplied concentration

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data at supplied concentration

10.2 Chemical stability

Stable if transported and stored per recommendations.

10.3 Possibility of hazardous reactions

Stable if transported and stored per recommendations.

10.4 Conditions to avoid

Excessive heat or cold.

10.5 Incompatible materials

No data at supplied concentration

10.6 Hazardous decomposition products

No data at supplied concentration

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

A chemical safety assessment has not been made for this component.

Acute Toxicity: No data at supplied concentration
Skin Corrosion/Irritation: No data at supplied concentration
Serious Eye Damage / Irritation: No data at supplied concentration
Respiratory or skin sensitization: No data at supplied concentration
Germ Cell Mutagenicity: No data at supplied concentration
Carcinogenicity: No data at supplied concentration
Reproductive Toxicity: No data at supplied concentration
Specific target organ toxicity – single exposure: No data at supplied concentration
Specific target organ toxicity repeated exposure: No data at supplied concentration
Aspiration hazard: No data at supplied concentration
Symptoms / Routes of exposure
Inhalation: No data at supplied concentration
Ingestion: No data at supplied concentration
Skin: No data at supplied concentration
Eyes: No data at supplied concentration
Delayed / Immediate effects: No data at supplied concentration

11.2.1 Endocrine disrupting properties: No data at supplied concentration
11.2.2 Information on other hazards: No data at supplied concentration

12. ECOLOGICAL INFORMATION
12.1 Toxicity: No data at supplied concentration
12.2 Persistence and degradability: No data at supplied concentration
12.3 Bioaccumulative: No data at supplied concentration
12.4 Mobility in soil: No data at supplied concentration
12.5 Results of PBT and vPvB assessment: No data at supplied concentration
12.6 Adverse effects on environment from endocrine-disrupting properties: No data at supplied concentration
12.7 Other adverse effects: No data at supplied concentration

13. DISPOSAL CONSIDERATIONS
13.1 Waste Treatment methods
Product: Waste must be disposed according to federal, state, and local regulations.
Contaminated packaging: Waste must be disposed according to federal, state, and local regulations.

14. TRANSPORT INFORMATION
Classified according to the criteria of the UN Model regulations as reflected in the IMDG code ADR, RID, DOT and IATA.
14.1 UN-Number
Does not meet the criteria for classification as hazardous for transport.
14.2 UN proper shipping name
Does not meet the criteria for classification as hazardous for transport.
14.3 Transport hazard class
Does not meet the criteria for classification as hazardous for transport.
14.4 Packaging group
Does not meet the criteria for classification as hazardous for transport.
14.5 Environmental hazards
Does not meet the criteria for classification as hazardous for transport.
14.6 Special precautions for users
Does not meet the criteria for classification as hazardous for transport.
14.7 Maritime transport in bulk according to IMO instruments
Does not meet the criteria for classification as hazardous for transport.
Additional transport information:
Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION
This safety data sheet complies with the requirements of regulation (EC) No. 453/2010.
Classification of the mixture according to Regulation (EC) No 1272/2008(CLP) and Regulation 2015/830 as applicable.
15.1 Safety, health and environmental regulations/legislation specific for the substance/mixture
15.2 Chemical safety assessment
Toxic Substances Control Act (TSCA): not listed.
SARA 302, 311/312, 313: no hazardous ingredient in an amount that requires identification and labeling in the supplied concentration
CERCLA Reportable Quantity: 1000 pounds
California Proposition 65: does not contain any chemicals subject to California Prop. 65 regulations.
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.
German water hazard class for 1 Appendix No. 4
Right to know: Massachusetts, Pennsylvania, New Jersey

A chemical safety assessment has not been made for this component.

16. OTHER INFORMATION
Document Creation Date: May 05, 2022
Document Revision Date: N/A
Description of Change(s): N/A

End of Section

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY
1.1 Product Identifiers

Name: Chromogen-Substrate Solution (3,3',5,5'-Tetramethylbenzidine(TMB)
Catalog Number: N/A
Product is neither a nanoform nor contains nanoforms. Product does not contain any animal by-products.
Product is not considered to be hazardous; an Unique Formula Identifier (UFI) is not required
A chemical safety assessment has not been made for this component.

1.2 Product is to be used for research and manufacturing purposes. Product is for in vitro use only. Product is not for use in diagnostic applications. Product is not for animal or human consumption.

1.3 Supplier: American Laboratory Products Company (ALPCO)
Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA

1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outside the USA.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This mixture does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 [CLP], GHS or 29 CFR 1910.1200 [OSHA].

2.2 Label Elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other Hazards

None. No component or ingredient is an endocrine-disrupting substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance
Not Applicable

3.2 Mixture

This product does not contain hazardous chemicals at concentrations of 1% or greater.
This product is not known to contain carcinogens at concentrations of 0.1% or greater.3.2 Mixtures

4. FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion: wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation Exposure: remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Exposure: immediately flush with copious amounts of water and wash with soap and water. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
Eye Exposure: flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.

4.2 Most important symptoms and effects, acute and/or delayed

No data at supplied concentration.

4.3 indication of immediate medical attention and special treatment needed

No data at supplied concentration.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Dry chemical, foam, carbon dioxide, or water fire extinguisher.

5.2 Special Hazards

Ambient fire may liberate hazardous vapors.

5.3 precautions for fire-fighters

Fire fighting media should be selected depending on the surrounding materials and equipment. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear approved safety eyewear and protective gloves.

6.2 Environmental precautions
Avoid putting into drain or sewer systems.

6.3 Methods and materials for containment and clean up

Use paper towels or chemical wicks to wipe up and pick-up spilled materials. Use broom or vacuum to pick up solid pieces.

6.4 Reference to other safety data sheet (SDS) sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Should only be handled and used by qualified, trained professionals.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

7.2 condition for safe storage and incompatibilities

Keep tightly closed and store at 2-8°C unless indicated otherwise on the product data sheet.

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters to include specific PPE

Contains no substances with occupational exposure limit values.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

Use chemical resistant gloves. Inspect gloves before use.

8.2 Exposure controls

Ensure all engineering measures listed in section 7 are in place.

Know location of and verify functionality of nearest safety eyewash.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

(a) Physical State: liquid

(b) Color: clear to light yellow

(c) Odor: No data at supplied concentration

(d) Melting point / freezing point: No data at supplied concentration

(e) Boiling point or initial boiling point and boiling range: No data at supplied concentration

(f) Flammability: No data at supplied concentration

(g) Lower and upper explosion limit: No data at supplied concentration

(h) Flash point: No data at supplied concentration

(i) Auto-ignition temperature: No data at supplied concentration

(j) Decomposition temperature: No data at supplied concentration

(k) pH: acidic

(l) Kinematic viscosity: No data at supplied concentration

(m) Solubility: Water: 100%

(n) Partition coefficient n-octanol/water (log value): No data at supplied concentration

(o) Vapor pressure: No data at supplied concentration

(p) Density and/or relative density: No data at supplied concentration

(q) Relative vapor density: No data at supplied concentration

(r) Particle characteristics: No data at supplied concentration

9.2.1 Information with Regard to Physical Hazard Classes

(a) Explosives: Not explosive

(b) Flammable gases: No data at supplied concentration

(c) Aerosols: No data at supplied concentration

(d) Oxidizing gases: Not an oxidizer

(e) Gases under pressure: No data at supplied concentration

(f) Flammable liquids: No data at supplied concentration

(g) Flammable solids: No data at supplied concentration

(h) Self-reactive substances and mixtures: No data at supplied concentration

(i) Pyrophoric liquids: No data at supplied concentration

(j) Pyrophoric solids: No data at supplied concentration

(k) Substances and mixtures which emit flammable gases when in contact with water:
No data at supplied concentration

(o) Oxidizing liquids: No data at supplied concentration

(p) Oxidizing solids: No data at supplied concentration

(q) Desensitized explosives: No data at supplied concentration

9.2.2 Other safety information

(a) Mechanical sensitivity: No data at supplied concentration

(b) Self-accelerating polymerization temperature: No data at supplied concentration

(c) Formation of explosible dust/air mixtures: No data at supplied concentration

(d) acid/alkaline reserve: No data at supplied concentration

(e) Evaporation rate: No data at supplied concentration

(f) Miscibility: No data at supplied concentration

(g) Conductivity: No data at supplied concentration
(h) Corrosiveness: No data at supplied concentration
(i) gas group: No data at supplied concentration
(j) redox potential: No data at supplied concentration
(k) radical formation potential: No data at supplied concentration
(l) Photocatalytic properties: No data at supplied concentration

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data at supplied concentration

10.2 Chemical stability

Stable if transported and stored per recommendations.

10.3 Possibility of hazardous reactions

Stable if transported and stored per recommendations.

10.4 Conditions to avoid

Excessive heat or cold.

10.5 Incompatible materials

No data

10.6 Hazardous decomposition products

No data

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

A chemical safety assessment has not been made for this component.

Acute Toxicity: No data at supplied concentration
Skin Corrosion/Irritation: No data at supplied concentration
Serious Eye Damage / Irritation: No data at supplied concentration
Respiratory or skin sensitization: No data at supplied concentration
Germ Cell Mutagenicity: No data at supplied concentration
Carcinogenicity: No data at supplied concentration
Reproductive Toxicity: No data at supplied concentration
Specific target organ toxicity – single exposure: No data at supplied concentration
Specific target organ toxicity repeated exposure: No data at supplied concentration
Aspiration hazard: No data at supplied concentration
Symptoms / Routes of exposure
Inhalation: No data at supplied concentration
Ingestion: No data at supplied concentration
Skin: No data at supplied concentration
Eyes: No data at supplied concentration
Delayed / Immediate effects: No data at supplied concentration

11.2.1 Endocrine disrupting properties: No data at supplied concentration

11.2.2 Information on other hazards: No data at supplied concentration

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data at supplied concentration

12.2 Persistence and degradability: No data at supplied concentration

12.3 Bioaccumulative: No data at supplied concentration

12.4 Mobility in soil: No data at supplied concentration

12.5 Results of PBT and vPvB assessment: No data at supplied concentration

12.6 Adverse effects on environment from endocrine-disrupting properties: No data at supplied concentration

12.7 Other adverse effects: No data at supplied concentration

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment methods

Product: Waste must be disposed according to federal, state, and local regulations.
Contaminated packaging: Waste must be disposed according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model regulations as reflected in the IMDG code ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

14.7 Maritime transport in bulk according to IMO instruments

Does not meet the criteria for classification as hazardous for transport.

Additional transport information:

Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of regulation (EC) No. 453/2010.

Classification of the mixture according to Regulation (EC) No 1272/2008(CLP) and Regulation 2015/830 as applicable.

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

15.2 Chemical safety assessment

Toxic Substances Control Act (TSCA): not listed

SARA 313: not listed

SARA 311/312 Hazards: not listed

CERCLA Reportable Quantity: 1000 pounds

California Proposition 65: does not contain any chemicals subject to California Prop. 65 regulations.

REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.

German water hazard class for 1 Appendix No. 4

Right to know: Pennsylvania, New Jersey

A chemical safety assessment has not been made for this component.

16. OTHER INFORMATION

Document Creation Date: May 05, 2022

Document Revision Date: N/A

Description of Change(s): N/A

End of Section

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifiers

Name: Stop Solution

Catalog Number: N/A

Product is neither a nanoform nor contains nanoforms. Product does not contain any animal by-products.

Product is not considered to be hazardous; an Unique Formula Identifier (UFI) is not required

A chemical safety assessment has not been made for this component.

1.2 Product is to be used for research and manufacturing purposes. Product is for in vitro use only. Product is not for use in diagnostic applications. Product is not for animal or human consumption.

1.3 Supplier: American Laboratory Products Company (ALPCO)

Address: 26-G Keewaydin Drive
Salem, NH, 03079, USA

1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outside the USA.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Skin Sensitizer: Category 1A

2.2 Label Elements
Signal Word: Warning
Symbol:



Hazard Statement(s)
H315 may cause skin irritation
H319 may cause eye irritation

Precautionary Statement(s)
P280 wear protective gloves, clothing, eye and face protection
P270 do not eat, drink or smoke when using component
P264 wash hands thoroughly after use
Practice good laboratory hygiene.

2.3 Other Hazards
None. No component or ingredient is an endocrine-disrupting substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substance
Not Applicable.
3.2 Mixtures
This product does not contain hazardous chemicals at concentrations of 1% or greater.
This product is not known to contain carcinogens at concentrations of 0.1% or greater.

Component	CAS Number	Index Number	Weight % content (or range)
Sulfuric Acid	7664-93-9	016-020-00-8	≤3

4. FIRST AID MEASURES
4.1 Description of first aid measures
Ingestion: wash mouth with water provided person is conscious. Call a physician or poison control.
Inhalation Exposure: remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Exposure: immediately flush with copious amounts of water and wash with soap and water. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
Eye Exposure: flush the eyes with copious amounts of water for at least 15 minutes. Remove contact lenses if present and flush for at least 15 minutes. Do not re-insert contact lenses. Assure adequate flushing by separating eyelids with fingers. Call a physician.
4.2 Most important symptoms and effects, acute and/or delayed
No data at supplied concentration.
4.3 indication of immediate medical attention and special treatment needed
No data at supplied concentration.

5. FIRE-FIGHTING MEASURES
5.1 Extinguishing Media
Dry chemical, foam, carbon dioxide, or water fire extinguisher.
5.2 Special Hazards
Ambient fire may liberate hazardous vapors.
5.3 precautions for fire-fighters
Fire fighting media should be selected depending on the surrounding materials and equipment. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures
Wear approved safety eyewear and protective gloves.
6.2 Environmental precautions
Avoid putting into drain or sewer systems.
6.3 Methods and materials for containment and clean up

Use paper towels or chemical wicks to wipe up and pick-up spilled materials.

6.4 Reference to other safety data sheet (SDS) sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Should only be handled and used by qualified, trained professionals.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

7.2 condition for safe storage and incompatibilities

Keep tightly closed and store at 2-8°C unless indicated otherwise on the product data sheet.

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters to include specific PPE

Contains no substances with occupational exposure limit values.

Wear protective eyewear, clothing, gloves and other gear whenever handling.

Use chemical resistant gloves. Inspect gloves before use.

8.2 Exposure controls

Ensure all engineering measures listed in section 7 are in place.

Know location of and verify functionality of nearest safety eyewash.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

(a) Physical State: liquid

(b) Color: clear

(c) Odor: No data at supplied concentration

(d) Melting point / freezing point: No data at supplied concentration

(e) Boiling point or initial boiling point and boiling range: No data at supplied concentration

(f) Flammability: No data at supplied concentration

(g) Lower and upper explosion limit: No data at supplied concentration

(h) Flash point: No data at supplied concentration

(i) Auto-ignition temperature: No data at supplied concentration

(j) Decomposition temperature: No data at supplied concentration

(k) pH: acidic

(l) Kinematic viscosity: No data at supplied concentration

(m) Solubility: No data at supplied concentration

(n) Partition coefficient n-octanol/water (log value): No data at supplied concentration

(o) Vapor pressure: No data at supplied concentration

(p) Density and/or relative density: No data at supplied concentration

(q) Relative vapor density: No data at supplied concentration

(r) Particle characteristics: No data at supplied concentration

9.2.1 Information with Regard to Physical Hazard Classes

(a) Explosives: No data at supplied concentration

(b) Flammable gases: No data at supplied concentration

(c) Aerosols: No data at supplied concentration

(d) Oxidizing gases: No data at supplied concentration

(e) Gases under pressure: No data at supplied concentration

(f) Flammable liquids: No data at supplied concentration

(g) Flammable solids: No data at supplied concentration

(h) Self-reactive substances and mixtures: No data at supplied concentration

(i) Pyrophoric liquids: No data at supplied concentration

(j) Pyrophoric solids: No data at supplied concentration

(k) Substances and mixtures which emit flammable gases when in contact with water:
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(o) Oxidizing liquids: No data at supplied concentration

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(q) Desensitized explosives: No data at supplied concentration

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(a) Mechanical sensitivity: No data at supplied concentration

(b) Self-accelerating polymerization temperature: No data at supplied concentration

(c) Formation of explosible dust/air mixtures: No data at supplied concentration

(d) acid/alkaline reserve: No data at supplied concentration
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(f) Miscibility: No data at supplied concentration
(g) Conductivity: No data at supplied concentration
(h) Corrosiveness: No data at supplied concentration
(i) gas group: No data at supplied concentration
(j) redox potential: No data at supplied concentration
(k) radical formation potential: No data at supplied concentration
(l) Photocatalytic properties: No data at supplied concentration

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data at supplied concentration

10.2 Chemical stability

Stable if transported and stored per recommendations.

10.3 Possibility of hazardous reactions

Stable if transported and stored per recommendations.

10.4 Conditions to avoid

Excessive heat or cold.

10.5 Incompatible materials

No data at supplied concentration

10.6 Hazardous decomposition products

No data at supplied concentration

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

A chemical safety assessment has not been made for this component.

Acute Toxicity: No data at supplied concentration
Skin Corrosion/Irritation: No data at supplied concentration
Serious Eye Damage / Irritation: No data at supplied concentration
Respiratory or skin sensitization: No data at supplied concentration
Germ Cell Mutagenicity: No data at supplied concentration
Carcinogenicity: No data at supplied concentration
Reproductive Toxicity: No data at supplied concentration
Specific target organ toxicity – single exposure: No data at supplied concentration
Specific target organ toxicity repeated exposure: No data at supplied concentration
Aspiration hazard: No data at supplied concentration
Symptoms / Routes of exposure
Inhalation: No data at supplied concentration
Ingestion: No data at supplied concentration
Skin: No data at supplied concentration
Eyes: No data at supplied concentration
Delayed / Immediate effects: No data at supplied concentration

11.2.1 Endocrine disrupting properties: No data at supplied concentration

11.2.2 Information on other hazards: No data at supplied concentration

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data at supplied concentration
12.2 Persistence and degradability: No data at supplied concentration
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12.7 Other adverse effects: No data at supplied concentration

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment methods

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Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

14.7 Maritime transport in bulk according to IMO instruments

Does not meet the criteria for classification as hazardous for transport.

Additional transport information:

Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of regulation (EC) No. 453/2010.

Classification of the mixture according to Regulation (EC) No 1272/2008(CLP) and Regulation 2015/830 as applicable.

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

15.2 Chemical safety assessment

Toxic Substances Control Act (TSCA): not listed.

SARA 302, 311/312, 313: no hazardous ingredient in an amount that requires identification and labeling in the supplied concentration

CERCLA Reportable Quantity: 1000 pounds

California Proposition 65: listed.

REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.

German water hazard class for 1 Appendix No. 4

Right to know: Massachusetts, Pennsylvania, New Jersey, Illinois, Rhode Island

A chemical safety assessment has not been made for this component.

16. OTHER INFORMATION

Document Creation Date: May 05, 2022

Document Revision Date: N/A

Description of Change(s): N/A

End of Safety Data Sheet