

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Date of Issue: February 14, 2023

Revision Date: N/A

Version Number: **1.0**

SECTION 1: IDENTIFICATION**1.1 Product Identifier**

Product Form: Kit

Product Name: Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag

Product Code: KOA0591

1.2 Intended Use of the Product

For research use only

1.3 Name, Address, and telephone of the Responsible Party

Company:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone Number

CHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the Substance or Mixture**

GHS-US Classification: Not classified

2.2 Label Elements

GHS-US Labeling:

No labeling applicable

Hazard Pictogram: N/A

Signal Word: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

2.3 Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4 Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

See SDS for individual components for additional information.

Kit Contents

<u>Product Name</u>	<u>Page Numbers</u>
Anti-DYKDDDDK (FLAG® tag) Affinity Gel	3-9
FLAG® Positive Control Lysate	10-16
2X SDS-PAGE Sample Buffer	17-22

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Neutralization Buffer	23-28
1X Lysis Buffer	29-34
10X PBS pH 7.2	35-40
Elution Buffer	41-46

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Anti-DYKDDDDK (FLAG® tag) Affinity Gel

Date of Issue: February 14, 2023

Revision Date: N/A

Version Number: **1.0****SECTION 1: IDENTIFICATION****1.1 Product Identifier****Product Form:** Mixture**Product Name:** Anti-DYKDDDDK (FLAG® tag) Affinity Gel**Product Codes:** 200-350-383**1.2 Intended Use of the Product**

For research use only

1.3 Name, Address, and telephone of the Responsible PartyCompany:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone NumberCHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture****GHS-US Classification:** Not classified**2.2 Label Elements****GHS-US Labeling:**Hazard Pictogram: N/ASignal Word: N/AHazard Statements: N/APrecautionary Statements: N/A**2.3 Other Hazards**

No data available

2.4 Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Not applicable

3.2 Mixture

Name	Product Identifier	%	GHS-US classification
Sodium Azide	(Cas No) 26628-22-8	<=0.01	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 STOT RE 2, H373 Aquatic

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

			Acute 1, H400 Aquatic Chronic 1, H410
--	--	--	--

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

After Inhalation: None known.

After Skin Contact: None known.

After Eye Contact: None known.

After Ingestion: None known.

Chronic Symptoms: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Ensure adequate ventilation.

6.1.1 For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: None

Precautions for Safe Handling: For precautions see section 2.2. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store according to product specifications.

Incompatible Products: N/A

7.3 Specific End Use(s)

For research use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit.

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation or a reaction use a suitable respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Suspension of agarose beads

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

No information available.

10.6 Hazardous Decomposition Products

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Acute toxicity:

Sodium Chloride (7647-14-5)	
LD50 Oral	3 g/kg (Rat)
LD50 Dermal	10000 mg/kg (Rabbit)
LC50 Inhalation	42 mg/L (Rat) 1 h
Sodium Azide (26628-22-8)	
LD50 Oral	27 mg/kg (Rat)
LD50 Dermal	20 mg/kg (Rabbit)
LC50 Inhalation	0.054-0.52 mg/L dust/mist (Rat)
Phosphoric acid, potassium salt (1:1) (7778-77-0)	
LD50 Oral	3200 mg/kg

Chronic Toxicity Irritation: No information available.

Sensitization: No information available.

Carcinogenicity: No information available.

Mutagenic effects: No information available.

Reproductive effects: No information available.

Developmental effects: No information available.

Teratogenicity: No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Not regulated for transport.

14.2 In Accordance with IMDG

Not regulated for transport.

14.3 In Accordance with IATA

Not regulated for transport.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Phosphoric acid, potassium salt (1:1) (7778-77-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium chloride (7647-14-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium azide (26628-22-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	500 (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)
SARA Section 313 - Emission Reporting	1.0%

15.2 US State Regulations

Sodium azide (26628-22-8)	
U.S. – Massachusetts – Right To Know List	
U.S. – New Jersey – Right to Know Hazardous Substance List	
U.S. – Pennsylvania – RTK (Right to Know) – Environmental Hazard List	
U.S. – Pennsylvania – RTK (Right to Know) List	

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 02/14/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of GHS-US phrases:

Acute Tox. 2	Acute Toxicity Category 2
Acute Tox. 1	Acute Toxicity Category 1
STOT RE 2	Specific Target Organ Toxicity- repeated exposure
Aquatic Acute 1	Hazardous to Aquatic Environment, short term
Aquatic Chronic 1	Hazardous to Aquatic Environment, long term

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

H300	Fatal if swallowed
H310	Fatal in contact with skin
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

FLAG® Positive Control Lysate

Date of Issue: February 14, 2023

Revision Date: N/A

Version Number: 1.0

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Form: Mixture

Product Name: FLAG® Positive Control Lysate

Product Codes: 000-001-383

1.2 Intended Use of the Product

For research use only

1.3 Name, Address, and telephone of the Responsible Party

Company:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone Number

CHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS-US Classification: Not classified

2.2 Label Elements

GHS-US Labeling:

Hazard Pictogram: N/A

Signal Word: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

2.3 Other Hazards

No data available

2.4 Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixture

Name	Product Identifier	%	GHS-US classification
Sodium Azide	(Cas No) 26628-22-8	<=0.01	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 STOT RE 2, H373 Aquatic Acute 1, H400

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

			Aquatic Chronic 1, H410
--	--	--	-------------------------

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

After Inhalation: None known.

After Skin Contact: None known.

After Eye Contact: None known.

After Ingestion: None known.

Chronic Symptoms: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Ensure adequate ventilation.

6.1.1 For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: None

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use normal measures for preventive fire protection.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store according to product specifications.

Incompatible Products: N/A

7.3 Specific End Use(s)

For research use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit.

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation or a reaction use a suitable respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

No information available.

10.6 Hazardous Decomposition Products

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Acute toxicity:

Sodium Chloride (7647-14-5)	
LD50 Oral	3 g/kg (Rat)
LD50 Dermal	10000 mg/kg (Rabbit)
LC50 Inhalation	42 mg/L (Rat) 1 h
Sodium Azide (26628-22-8)	
LD50 Oral	27 mg/kg (Rat)
LD50 Dermal	20 mg/kg (Rabbit)
LC50 Inhalation	0.054-0.52 mg/L dust/mist (Rat)
Phosphoric acid, potassium salt (1:1) (7778-77-0)	
LD50 Oral	3200 mg/kg

Chronic Toxicity Irritation: No information available.

Sensitization: No information available.

Carcinogenicity: No information available.

Mutagenic effects: No information available.

Reproductive effects: No information available.

Developmental effects: No information available.

Teratogenicity: No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Not regulated for transport.

14.2 In Accordance with IMDG

Not regulated for transport.

14.3 In Accordance with IATA

Not regulated for transport.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Phosphoric acid, potassium salt (1:1) (7778-77-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium chloride (7647-14-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium azide (26628-22-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	500 (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)
SARA Section 313 - Emission Reporting	1.0%

15.2 US State Regulations

Sodium azide (26628-22-8)	
U.S. – Massachusetts – Right To Know List	
U.S. – New Jersey – Right to Know Hazardous Substance List	
U.S. – Pennsylvania – RTK (Right to Know) – Environmental Hazard List	
U.S. – Pennsylvania – RTK (Right to Know) List	

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 02/14/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of GHS-US phrases:

Acute Tox. 2	Acute Toxicity Category 2
Acute Tox. 1	Acute Toxicity Category 1
STOT RE 2	Specific Target Organ Toxicity- repeated exposure
Aquatic Acute 1	Hazardous to Aquatic Environment, short term
Aquatic Chronic 1	Hazardous to Aquatic Environment, long term
H300	Fatal if swallowed

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

H310	Fatal in contact with skin
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

2X SDS-PAGE Sample BufferDate of Issue: February 14, 2023Revision Date: N/AVersion Number: **1.0****SECTION 1: IDENTIFICATION****1.1 Product Identifier****Product Form:** Mixture**Product Name:** 2X SDS-PAGE Sample Buffer**Product Code:** KBB-001**1.2 Intended Use of the Product**

For research use only

1.3 Name, Address, and telephone of the Responsible PartyCompany:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone NumberCHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture****GHS-US Classification:** Not classified**2.2 Label Elements****GHS-US Labeling:**Hazard Pictogram: N/ASignal Word: N/AHazard Statements: N/APrecautionary Statements: N/A**2.3 Other Hazards**

No data available.

2.4 Unknown Acute Toxicity (GHS-US)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Not applicable.

3.2 Mixture

Contains no hazardous ingredients.

SECTION 4: FIRST AID MEASURES**4.1 Description of First Aid Measures**General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

After Inhalation: None known.

After Skin Contact: None known.

After Eye Contact: None known.

After Ingestion: None known.

Chronic Symptoms: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Ensure adequate ventilation.

6.1.1 For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning Up

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: None.

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use normal measures for preventive fire protection.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store according to product specifications.

Incompatible Products: N/A

7.3 Specific End Use(s)

For research use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit.

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Not required under normal use.

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

No information available.

10.6 Hazardous Decomposition Products

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Acute toxicity:

Tris HCL (1185-53-1)	
LD50 Oral	> 5,000 mg/kg (Rat)
LD50 Dermal	> 5,000 mg/kg (Rat)
Sodium dodecyl sulfate (151-21-3)	
LD50 Oral	977 mg/kg (Rat)
LD50 Dermal	> 2,000 mg/kg (Rat)
LC50 Inhalation	24 h (Rabbit)
Glycerol (56-81-5)	
LD50 Oral	27,200 mg/kg (Rat)
LD50 Dermal	> 10,000 mg/kg (Rabbit)
LC50 Inhalation	No data available
Bromophenol Blue solution (34725-61-6)	
LD50 Oral	No data available
LD50 Dermal	No data available

Chronic Toxicity Irritation: Classified based on available data.

Sensitization: Classified based on available data.

Carcinogenicity: Classified based on available data.

Mutagenic effects: Classified based on available data.

Reproductive effects: Classified based on available data.

Developmental effects: Classified based on available data.

Teratogenicity: Classified based on available data.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS
Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Not regulated for transport.

14.2 In Accordance with IMDG

Not regulated for transport.

14.3 In Accordance with IATA

Not regulated for transport.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

SARA 313 Components: Not applicable.

SARA 311/312 Hazards: Not applicable.

15.2 US State Regulations

Not applicable.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 02/14/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Neutralization Buffer

Date of Issue: February 14, 2023

Revision Date: N/A

Version Number: **1.0****SECTION 1: IDENTIFICATION****1.1 Product Identifier****Product Form:** Mixture**Product Name:** Neutralization Buffer**Product Codes:** KBC-001**1.2 Intended Use of the Product**

For research use only

1.3 Name, Address, and telephone of the Responsible PartyCompany:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone NumberCHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture****GHS-US Classification:** Not classified**2.2 Label Elements****GHS-US Labeling:**Hazard Pictogram: N/ASignal Word: N/AHazard Statements: N/APrecautionary Statements: N/A**2.3 Other Hazards**

No data available.

2.4 Unknown Acute Toxicity (GHS-US)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Not applicable.

3.2 Mixture

Contains no hazardous ingredients.

SECTION 4: FIRST AID MEASURES**4.1 Description of First Aid Measures**General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

After Inhalation: None known.

After Skin Contact: None known.

After Eye Contact: None known.

After Ingestion: None known.

Chronic Symptoms: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Ensure adequate ventilation.

6.1.1 For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning Up

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: None.

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use normal measures for preventive fire protection.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store according to product specifications.

Incompatible Products: N/A

7.3 Specific End Use(s)

For research use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit.

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Not required under normal use.

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

No information available.

10.6 Hazardous Decomposition Products

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Acute toxicity:

Tris HCL (1185-53-1)	
LD50 Oral	> 5,000 mg/kg (Rat)
LD50 Dermal	> 5,000 mg/kg (Rat)

Chronic Toxicity Irritation: No information available.

Sensitization: No information available.

Carcinogenicity: No information available.

Mutagenic effects: No information available.

Reproductive effects: No information available.

Developmental effects: No information available.

Teratogenicity: No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Not regulated for transport.

14.2 In Accordance with IMDG

Not regulated for transport.

14.3 In Accordance with IATA

Not regulated for transport.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

15.1 US Federal Regulations

SARA 313 Components: Not applicable.

SARA 311/312 Hazards: Not applicable.

15.2 US State Regulations

Not applicable

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 02/14/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

1X Lysis Buffer

Date of Issue: February 14, 2023

Revision Date: N/A

Version Number: 1.0

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Form: Mixture

Product Name: 1X Lysis Buffer

Product Codes: KBD-001

1.2 Intended Use of the Product

For research use only

1.3 Name, Address, and telephone of the Responsible Party

Company:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone Number

CHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS-US Classification: Not classified

2.2 Label Elements

GHS-US Labeling:

Hazard Pictogram: N/A

Signal Word: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

2.3 Other Hazards

No data available.

2.4 Unknown Acute Toxicity (GHS-US)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable.

3.2 Mixture

Name	Product Identifier	%	GHS-US classification
Ethylenediaminetetraacetic acid trisodium salt hydrate	(Cas No) 55965-84-9	<=1	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335
Triton X-100	(CAS No) 9002-93-1	<=1	Acute toxicity, Oral (Category 4), H302 Skin

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

			irritation (Category 2), H315 Serious eye damage (Category 1), H318 Short-term (acute) aquatic hazard (Category 1), H400 Long-term (chronic) aquatic hazard (Category 1), H410
--	--	--	--

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
After Skin Contact: Immediately remove any contaminated clothing.
After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

After Inhalation: None known.
After Skin Contact: None known.
After Eye Contact: None known.
After Ingestion: None known.
Chronic Symptoms: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.
Explosion Hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.
Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other Information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Ensure adequate ventilation.

6.1.1 For Non-emergency Personnel

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: None.

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use normal measures for preventive fire protection.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store according to product specifications.

Incompatible Products: N/A

7.3 Specific End Use(s)

For research use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit.

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation or a reaction use a suitable respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

No information available.

10.6 Hazardous Decomposition Products

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Acute toxicity:

Tris(hydroxymethyl)aminomethane (777-86-1)	
LD50 Oral	> 5,000 mg/kg (Rat)
Sodium Chloride (7647-14-5)	
LD50 Oral	3 g/kg (Rat)
LD50 Dermal	10000 mg/kg (Rabbit)
LD50 Inhalation	42 mg/L (Rat) 1 h
Ethylenediaminetetraacetic acid trisodium salt hydrate (55965-84-9)	
LD50 Oral	3587 mg/kg (Rat)
Triton X-100 (9002-93-1)	
LD50 Oral	1800 mg/kg (Rat)

Chronic Toxicity Irritation: No information available.

Sensitization: No information available.

Carcinogenicity: No information available.

Mutagenic effects: No information available.

Reproductive effects: No information available.

Developmental effects: No information available.

Teratogenicity: No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Ecology – Waste Materials: Avoid release to the environment.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Not regulated for transport.

14.2 In Accordance with IMDG

Not regulated for transport.

14.3 In Accordance with IATA

Not regulated for transport.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

SARA 313 Components: Not applicable.

SARA 311/312 Hazards: Not applicable.

15.2 US State Regulations

Not applicable

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 02/14/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Skin Irrit. 2	Skin Irritation Category 2
Eye Irrit. 2A	Eye irritation (Category 2A)
STOT SE 3	Specific target organ toxicity (single exposure)
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

10X PBS pH 7.2

Date of Issue: January 26, 2023

Revision Date: N/A

Version Number: **1.0****SECTION 1: IDENTIFICATION****1.1 Product Identifier****Product Form:** Mixture**Product Name:** 10X PBS pH 7.2**Product Codes:** MB-008-0050**1.2 Intended Use of the Product**

For research use only

1.3 Name, Address, and telephone of the Responsible PartyCompany:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone NumberCHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture****GHS-US Classification:** Not classified**2.2 Label Elements****GHS-US Labeling:**Hazard Pictogram: N/ASignal Word: N/AHazard Statements: N/APrecautionary Statements: N/A**2.3 Other Hazards**

No data available.

2.4 Unknown Acute Toxicity (GHS-US)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Not applicable.

3.2 Mixture

Contains no hazardous ingredients.

SECTION 4: FIRST AID MEASURES**4.1 Description of First Aid Measures**General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

After Inhalation: None known.

After Skin Contact: None known.

After Eye Contact: None known.

After Ingestion: None known.

Chronic Symptoms: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Ensure adequate ventilation.

6.1.1 For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: None.

Precautions for Safe Handling: Avoid contact with skin and eyes. Use normal measures for preventive fire protection.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store according to product specifications.

Incompatible Products: N/A

7.3 Specific End Use(s)

For research use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit.

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Not required under normal use.

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid

Appearance: No data available

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

No information available.

10.6 Hazardous Decomposition Products

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Acute toxicity:

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Sodium Chloride (7647-14-5)	
LD50 Oral	3 g/kg (Rat)
LD50 Dermal	10000 mg/kg (Rabbit)
LC50 Inhalation	42 mg/L (Rat) 1 h
Phosphoric acid, potassium salt (1:1) (7778-77-0)	
LD50 Oral	3200 mg/kg

Chronic Toxicity Irritation: No information available.

Sensitization: No information available.

Carcinogenicity: No information available.

Mutagenic effects: No information available.

Reproductive effects: No information available.

Developmental effects: No information available.

Teratogenicity: No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Not regulated for transport.

14.2 In Accordance with IMDG

Not regulated for transport.

14.3 In Accordance with IATA

Not regulated for transport.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

15.1 US Federal Regulations

Phosphoric acid, potassium salt (1:1) (7778-77-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Sodium chloride (7647-14-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations

Not applicable

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISIONDate of Preparation or Latest Revision: 02/14/2023Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Elution Buffer

Date of Issue: February 14, 2023

Revision Date: N/A

Version Number: **1.0****SECTION 1: IDENTIFICATION****1.1 Product Identifier****Product Form:** Mixture**Product Name:** Elution Buffer**Product Codes:** KBE-001**1.2 Intended Use of the Product**

For research use only

1.3 Name, Address, and telephone of the Responsible PartyCompany:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

1.4 Emergency Telephone NumberCHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture****GHS-US Classification:** Not classified**2.2 Label Elements****GHS-US Labeling:**Hazard Pictogram: N/ASignal Word: N/AHazard Statements: N/APrecautionary Statements: N/A**2.3 Other Hazards**

No data available.

2.4 Unknown Acute Toxicity (GHS-US)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Not applicable.

3.2 Mixture

Contains no hazardous ingredients.

SECTION 4: FIRST AID MEASURES**4.1 Description of First Aid Measures**General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

After Inhalation: None known.

After Skin Contact: None known.

After Eye Contact: None known.

After Ingestion: None known.

Chronic Symptoms: None known.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: No data available.

5.3 Advice for Firefighters

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Ensure adequate ventilation.

6.1.1 For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and Material for Containment and Cleaning Up

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: None

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use normal measures for preventive fire protection.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store according to product specifications.

Incompatible Products: N/A

7.3 Specific End Use(s)

For research use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit.

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Not required under normal use.

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

No information available.

10.6 Hazardous Decomposition Products

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS
on OSHA's list of regulated carcinogens.

Acute toxicity:

Glycine (56-40-6)	
LD50 Oral	7930 mg/kg (Rat)

Chronic Toxicity Irritation: No data available.

Sensitization: No data available.

Carcinogenicity: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogens by IARC.

Mutagenic effects: No data available.

Reproductive effects: No data available.

Developmental effects: No data available.

Teratogenicity: No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Not regulated for transport.

14.2 In Accordance with IMDG

Not regulated for transport.

14.3 In Accordance with IATA

Not regulated for transport.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

SARA 313 Components

Immunoprecipitation Kit: DYKDDDDK (FLAG®) FLAG® epitope tag SDS
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

15.2 US State Regulations

Not applicable

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 02/14/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.