Immunology Consultants Laboratory, Inc. (ICL) Safety Data Sheet

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

1.1 Product Identifiers
ICL Name: Affinity Purified Goat anti-Hamster (CHO) Peroxiredoxin-1
ICL Catalog Number: GPDX-65ALY
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

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: Immunology Consultants Laboratory, Inc. (ICL)
Address: 7150 SW Sandburg Street
Portland, OR, 97223, USA

1.4 Emergency telephone number: 911 if in USA. Use relevant local phone number if outwith 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
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: range from translucent white to tinted 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

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.

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

15.2 Chemical safety assessment

Toxic Substances Control Act (TSCA): sodium azide is listed.

SARA 313: sodium azide is listed

SARA 311/312 Hazards: acute health hazard

CERCLA Reportable Quantity: 1000 pounds

California Proposition 65: sodium azide is not listed.

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION

Document Creation Date: December 6, 2024

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Description of Change(s): N/A

The above information 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. ICL 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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