PIERCE
a brand of PIERCE

Material Safety Data Sheet

Responsible Name **Pierce Administration**

Section 1. Chemical Product and Company Identification

Common Name **ImmunoPure® Immobilized Protein L Plus**

Code 0020520

Supplier Pierce Chemical Company
P.O. Box 117
Rockford, IL 61105
USA
815.968.0747

In Case of Emergency CALL CHEMTREC:
800.424.9300
OUTSIDE US:
202.483.7616

Print Date 2/6/2002

Validation Date **2/5/2002**

MSDS# 2792

Manufacturer Pierce Chemical Company
P.O. Box 117
Rockford, IL 61105
USA
815.968.0747

Section 2. Composition and Information on Hazardous (OSHA) Ingredients

Name	CAS #	% by Weight	Exposure Limits

No hazardous ingredient according to 29 CFR 1910.1200 Hazard Communication Standard

Section 3. Hazards Identification

Review the most current and approved institutional guideline, protocol, standard operating procedure(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this Pierce product.

Emergency Overview WARNING!
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:
SKIN, EYES.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Carcinogenic Effects Data **CARCINOGENIC EFFECTS**: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

EU Regulations

This product is not classified according to the EU regulations.

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See Toxicological Information (section 11)

Section 4. First Aid Measures

SKIN: Wash contaminated skin with soap and water.
EYES: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.
Inhalation: Move exposed person to fresh air. If irritation persists, get medical attention.
Ingestion: Do not induce vomiting. If affected person is conscious, give plenty of water to drink. Seek medical attention.

Section 5. Fire Fighting Measures

Flammability of the Product May be combustible at high temperature.

Flash Points Not available.

Fire Hazards in Presence of Various Substances Not considered to be flammable.

Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.

Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Handling Avoid breathing vapors or spray mists.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 2 to 8°C (35.6 to 46.4°F).

Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

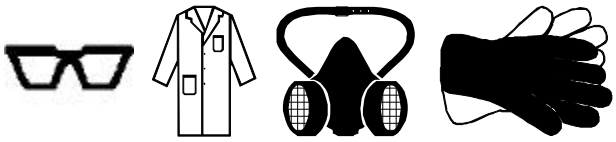
Eyes Safety glasses.

Body Lab coat.

Respiratory Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hands Gloves.

Protective Clothing (Pictograms)



Consult local authorities for acceptable exposure limits.

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Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid.

Odor Not available.

Molecular Weight Not applicable.

Taste Not available.

Color White.

pH (1% Soln/Water) Neutral.

Boiling/Condensation Point The lowest known value is 100°C (212°F) (Deionized Water).

Melting/Freezing Point May start to solidify at -0.1°C (31.8°F) based on data for: Deionized Water.

Specific Gravity The only known value is 1 (Water = 1) (Deionized Water).

Vapor Pressure The highest known value is 2.3 kPa (@ 20°C) (Deionized Water).

Vapor Density The highest known value is 0.62 (Air = 1) (Deionized Water).

Evaporation Rate 0.36 (Deionized Water) compared to (n-BUTYL ACETATE=1)

Dispersion Properties Not available.

Solubility Insoluble in cold water, hot water.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Conditions of Instability Reacts violently with water especially when water is added to the product. Heating may cause an explosion. Keep away from heat (Sodium Azide)

Incompatibility with Various Substances Reactive with oxidizing agents.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Not available.

Section 11. Toxicological Information

Chronic Effects on Humans Contains material which causes damage to the following organs: central nervous system (CNS).

Other Toxic Effects on Humans Slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Special Remarks on Other Toxic Effects on Humans To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated. (Agarose)

Section 12. Ecological Information

Toxicity of the Products of Biodegradation Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

Consult your local or regional authorities.

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Section 14. Transport Information

Contact Pierce for all transport information.

Section 15. Regulatory Information

HCS Classification Target organ effects.

U.S. Federal Regulations TSCA 8(b) inventory: Agarose; Deionized Water; Sodium Azide
TSCA 8(d) H and S data reporting: Sodium Azide
SARA 302/304/311/312 extremely hazardous substances: Sodium Azide
SARA 302/304 emergency planning and notification: Sodium Azide
SARA 302/304/311/312 hazardous chemicals: Sodium Azide
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Azide: immediate health hazard

Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada) Not a WHMIS controlled material.

No products were found.

International Regulations

EINECS Not available.

DSCL (EEC) This product is not classified according to the EU regulations.

International Lists Australia (NICNAS): Agarose; Deionized Water; Sodium Azide

Germany water class: Sodium Azide

Korea (TCCL): Agarose; Deionized Water; Sodium Azide

Philippines (RA6969): Agarose; Deionized Water; Sodium Azide

State Regulations Pennsylvania RTK: Sodium Azide: (environmental hazard, generic environmental hazard)
Florida: Sodium Azide
Minnesota: Sodium Azide
Massachusetts RTK: Sodium Azide
New Jersey: Sodium Azide
California prop. 65: No products were found.

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

Health	*	1
Fire Hazard		1
Reactivity		0
Personal Protection		g

National Fire Protection Association (U.S.A.)

Validated by Pierce Administration on 2/5/2002.

Verified by Pierce Administration.

Printed 2/6/2002.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.