Safety Data Sheet (SDS)

1. Identification of the substance/preparation and of the company/undertaking

Catalog #: PA20091   **Product:** Human Apolipoprotein E, Very Low Density Lipoprotein (VLDL) (Plasma)

This product is intended for in vitro applications for research use only.

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2. Hazards identification

This product may contain up to 0.2% Sodium Azide. Consult included protocol for details.

Health Hazard (acute and chronic) - Information pertaining to particular dangers for man and environment. Harmful if swallowed, irritating to eyes, respiratory system, and skin.

3. Composition/information on ingredients

Ingredient	Concentration	CAS#	EC#	Classification
Sodium Azide	up to 0.2%	26628-22-8	247-852-1	Xn; T+; R28/R32, N; R50-53

4. First aid measures

Inhalation - Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion - Call a physician immediately. Never give anything by mouth to an unconscious person. Rinse mouth. Remove dentures if any. Move exposed person to fresh air. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin Contact - Flush contaminated skin with plenty of water removing all contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Consult a physician.
Eye Contact - Immediately flush eyes with plenty of water for at least fifteen minutes. Check for and remove any contact lenses. Consult a physician.

5. Fire-fighting measures

Suitable extinguishing agents - Use water spray, alcohol resistant foam, or dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazards from the substance or mixture - In case of fire, toxic and corrosive gases may be formed.
Special precautions for fire fighters - As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions - Use appropriate personal protective equipment to prevent contamination of skin, eyes and personal clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental precautions - Keep away from drains.
Containment and cleaning measures - Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Handling - Handle in accordance with good industrial hygiene and safety practice.
Storage - Keep containers tightly closed in a dry, cool and well-ventilated place. See protocol for appropriate storage conditions.

8. Exposure controls / personal protection

Engineering measures - Ventilation systems, showers, eyewash stations.
Eye/face protection - Wear approved safety eyewear.
Skin/body protection - Wear protective gloves and protective clothing.
Respiratory protection - If ventilation is inadequate, use a suitable respirator.

9. Physical and chemical properties

Appearance:	Clear liquid or lyophilized white powder	**Vapor pressure:**	N/A
pH:	N/A	**Vapor density:**	N/A
Boiling point:	N/A	**Relative density:**	N/A
Flash point:	N/A	**Solubility:**	Soluble in water
Flammability:	N/A	**Viscosity:**	N/A
Explosive properties:	N/A	**Evaporation rate:**	N/A
Oxidizing properties:	N/A	**Additional parameters:**	N/A

10. Stability and reactivity

Stability - Stable under recommended storage conditions
Reactivity - Azide reacts with many heavy metals such as lead, copper, mercury, silver and gold to form explosive compounds. Azide reacts with metal halides to give a range of metal azide halides, many of which are explosive.
Possibility of hazardous reactions - Hazardous reactions will not occur under normal conditions of storage and use.
Incompatible products - Heavy metals, metal halides, chromyl chloride, hydrazine, bromine, carbon disulfide, dimethyl sulfate, dibromomalonitrile, and acetonitrile.

11. Toxicological information

Sodium Azide - Acute toxicity
Skin corrosion/irritation - No data available
Serious eye damage/eye irritation - No data available
Respiratory or skin sensitization - No data available
Germ cell mutagenicity - No data available
Animal toxicological data - LD50 oral, Rabbit 10 mg/kg
Human toxicological data - No data available

12. Ecological information

Ecotoxicity - Data unavailable.

Biodegradability - Data unavailable.

Soil mobility - Data unavailable.

Other adverse effects - Data unavailable.

13. Disposal considerations

Product disposal - Dispose in accordance with applicable local, regional, or national regulations.
Packaging disposal - Dispose in accordance with applicable local, regional, or national regulations.
Contaminated packaging - Dispose of in same manner as product.

14. Transport information

Regulatory information	UN #	Proper shipping name	Classes	Packaging group
DOT Classification	Not regulated	Not available	Not available	Not available
IATA-DGR Classification	Not regulated	Not available	Not available	Not available

15. Regulatory information

Sodium Azide - Xn (Harmful)
TLV (Threshold Limit Value est. ACGIH) - 26628-22-8: A4

Risk Phrases - R22, R36-38
Safety Phrases - S13, S22, S24-26, S36, S46

16. Other information

For research use only.
For professional use only.

To the best of our knowledge, the information contained herein is accurate. 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.

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