

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers: A440 Normal Bovine Serum

1.2 Recommended Use: Forensic, Research

1.3 Company Info: Serological Research Institute (SERI), 3053 Research Drive, Richmond, CA 94806 USA

Phone: 1-510-223-7374 Fax: 1-510-222-8887

1.4 Emergency Phone: 911, American Association of Poison Control Centers: 1-800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not a hazardous substance or mixture.

GHS Label elements: Pictogram none, Signal word none

Precautionary Statement(s) none

HMS Classification: Health hazard 0, Flammability 0, Physical hazards 0

NFPA Classification: Health hazard 0, Fire 0, Reactivity hazards 0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures: Preservatives 0.1% w/v Sodium Azide, No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.

3.2 Component Percentage/Concentration has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

If swallowed: Rinse mouth with water provided person is conscious. Skin contact: Wash skin with soap and plenty of water. Eye exposure: Flush with water as a precaution. If inhaled: Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

SECTION 5: FIREFIGHTING MEASURES

Conditions of flammability: Not flammable or combustible, Extinguishing Media: Water, foam, carbon dioxide, or dry chemical, Unusual Fire & Explosion Hazard: No usual fire or explosion hazards noted. Special protective equipment for firefighters: Wear self-contained breathing apparatus if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: If spill occurs, wear protective gloves and clean up the spill area with inert absorbent material. Avoid post-cleanup contact of chemical with skin, eyes or inhalation., Environmental precautions: Do not allow to enter drains, sewers or watercourses., Methods and materials for containment and cleaning up: Dispose of clean-up waste in suitable closed containers

SECTION 7: HANDLING AND STORAGE

Conditions of safe storage: Keep container tightly closed and upright to prevent leakage. Recommended storage temperature: Frozen.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substance with occupational exposure limit values, Respiratory protection: If area is well ventilated, respiratory protection not required., Hand protection: Handle with gloves., Eye protection: Wear safety goggles., Skin and body protection: Lab coat to limit skin exposure, General hygiene: Wash hands before breaks and at the end of each work shift and before eating, smoking or using the toilet. Wash contaminated clothing and shoes before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form: Liquid or Lyophilized Powder, Color: Clear to pale tan/yellow, b) Odor: No data available, c) Odor Threshold: No data available, d) pH: No data available, e) Melting point/freezing point: No data available, f) Initial boiling point and boiling range: No data available, g) Flash point: No data available, h) Evaporation rate: No data available, i) Flammability (solid, gas): No data available, j) Upper/lower flammability or explosive limits: No data available, k) Vapor pressure: No data available, l) Vapor density: No data available, m) Relative density: No data available, n) Water solubility: No data available, o) Partition coefficient: noctanol/water: No data available, p) Auto-ignition temperature: No data available, q) Decomposition temperature: No data available, r) Viscosity: No data available, s) Explosive properties: No data available, t) Oxidizing properties: No data available

9.2 Other safety information: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No data available, Chemical stability: Stable under recommended storage conditions, Possibility of hazardous reactions: No data available, Conditions to avoid: No data available, Incompatible materials: Strong acids, Hazardous decomposition products: Other decomposition products - No data available, In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity (Oral LD50) No data available, Skin corrosion/irritation No data available, Serious eye damage/eye irritation No data available, Germ Cell Mutagenicity No data available, Carcinogenicity Not listed by IARC, ACGIH, NTP, OSHA, Reproductive toxicity No data available, Specific target organ toxicity single exposure No data available, Specific target organ toxicity repeated exposure No data available, Aspiration hazard No data available, Potential health effects, Inhalation: May be harmful if inhaled. May cause respiratory tract irritation., Ingestion: May be harmful if swallowed., Skin: May be harmful if adsorbed through skin. May cause skin irritation., Eyes: May cause eye irritation, Health Warnings: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity No known OSHA hazards., Persistence and degradability No data available, Bioaccumulative potential No data available, Mobility in soil No data available, PBT and vPvb assessment No data available, Other adverse effects Harmful to aquatic life

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of material in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

No special transport regulations, DOT (US) Not dangerous goods, ADR (road)/RID(rail) Not dangerous goods, IMDG (sea) Not dangerous goods, ICOA/IATA (air) Not dangerous goods

SECTION 15: REGULATORY INFORMATION

OSHA Hazards; No known OSHA hazards, SARA 302 Components The following components are subject to reporting levels established by SARA title III, Section 302: Sodium Azide CAS No. 26628-22-8, SARA 311 Components: No chemical components were found, SARA 311/312 No SARA hazards

SECTION 16: OTHER INFORMATION

Read instructions for use before using the product. Observe the general safety regulations when handling chemicals.

Revision Date: 07-2015

This material is for research and forensic applications only. It is not intended for food, drug, household, agricultural, or cosmetic use. All material should be handled only by technically qualified individuals experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. The user should make independent decisions regarding completeness of the information based on all sources available. Serological Research Institute shall not be held liable for any damage resulting from handling or from contact with the above product.