SECTION 1 -  SUBSTANCEIDENTITY AND COMPANY INFORMATION

Product Name: Fetal Bovine Serum, 500 mL
ATCC Catalog #: 30-2020
CAS #: 

COMPANY INFORMATION: AMERICAN TYPE CULTURE COLLECTION
PO BOX 1549
MANASSAS, VA 20108
FOR INFORMATION CALL: 800-638-6597 or 703-365-2700
AFTER-HOURS CONTACT: 703-365-2710
CHEMTREC EMERGENCY: 800-424-9300 or 703-527-3887

Product use:

SECTION 2 -  HAZARDS IDENTIFICATION

GHS Symbol: NA
Signal Word: NA

Handle as a potentially biohazardous material under at least Biosafety Level 1 containment.

HMIS Rating: Health: 0 Flammability: 0 Reactivity:0
NFPA Rating: Health: 0 Flammability:0 Reactivity:0

Routes of Exposure
Skin Contact: No information available.
Skin Absorption: No information available.
Eye Contact: No information available.
Inhalation: No information available.
Ingestion: May be harmful if swallowed.
Chronic: No Information Found

This product does not require a Material Safety Data Sheet under the Occupational Safety and Health Administration standard entitled "Hazard Communication" 29 CFR 1910.1200 for the United States.

ATCC recommends that all ATCC serum products be handled by qualified microbiologists using appropriate safety procedures and precautions. Detailed discussions of laboratory safety procedures are provided in Laboratory Safety: Principles and Practice (Fleming et al., ASM Press, Washington, DC, 1995), and in the U.S. Government Publication, Biosafety in Microbiological and Biomedical
Laboratories 5th Edition (CDC February 2007). This publication is available in its entirety in the Center for Disease Control Office of Health and Safety’s website at:
http://www.cdc.gov/od/ohs/biosfly/bmbl5/bmbl5toc.htm
Information on the classification of human etiologic agents on the basis of hazard can be found as Appendix B in the NIH Guidelines for Research Involving Recombinant DNA Molecules at

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Animal Sera

Fetal Bovine Serum is an Animal Product with no Chemical additives

This substance contains no ingredients at concentrations to be considered hazardous as defined by OSHA 29CFR 1910.1200 however this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser’s chemical hygiene plan.

SECTION 4 - FIRST AID MEASURES

Ingestion: If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. If the person is conscious wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician.

Inhalation: If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician.

Dermal exposure: Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

Eye exposures: Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

Notes to Physician: Treat symptomatically and supportively.

SECTION 5 - FIRE FIGHTING MEASURES

General: Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.
Extinguishing Media: Substance is non-combustible, use most readily available media; Water Spray, Carbon Dioxide, dry chemical powder or appropriate foam.

Autoignition Temperature: N/A

Explosion limits: N/A

Flash Point: Not Available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use Personal Protective Equipment: Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Spills: Collect spilled material. Clean up residue with appropriate disinfectant consult your organizations spill control procedures. Place in a closed container. Clean up spills immediately. Avoid airborne dispersal.

SECTION 7 - HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes skin and clothing utilizing Personal Protective Equipment: Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Do not ingest or inhale.

Storage: Store below -70°C in original container if possible. If storage at -70°C is not possible then store at -20°C. Do not store above -20°C for any length of time. Avoid repeated freeze-thaws by dispensing in aliquots. Protect from direct sunlight.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: Including Safety Glasses or goggles, Chemical Resistant Gloves, and
appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Exposure Limits: No exposure limits for this material have been established by ACGIH, NIOSH, or OSHA. There are no Vacated OSHA PEL for this material.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid, clear light straw to dark amber in color

pH: NA

No Information is available for Vapor Pressure, Vapor Density, Evaporation Rate, Viscosity, Boiling Point, Freezing/Melting Point, Decomposition Temperature, Solubility, Specific Gravity/Density, or Molecular Weight.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: No information available.

Hazardous Decomposition Products: No information available.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No Information was found in relation to: RTECS, LD50/LC50, Carcinogenicity, Epidemiology, Teratogenicity, Reproductive effects, Mutagenicity, or Neurotoxicology.

Note: The toxicological properties of this substance have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

This is an inherently nontoxic liquid that is inherently biodegradable and does not bioaccumulate.
SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous waste generators are required to determine if a discarded chemical is classified as a hazardous waste according to 40 CFR Part 261.3. In addition, waste generators must consult about and comply with all state and local regulations to ensure compliance.

SECTION 14 - TRANSPORT INFORMATION

Land Transport (ADR/RID): Not a dangerous good in sense of this transport regulation.
Inland Water ways transport (ADN): Not a dangerous good in sense of this transport regulation.
Sea Transport (IMDG): Not a dangerous good in sense of this transport regulation.
Air Transport (ICAO-TP / IATA-DGR): Not a dangerous good in sense of this transport regulation.
DOT Classification: Not a DOT controlled material (United States)

SECTION 15 - REGULATORY INFORMATION

This substance is not listed on the TSCA Inventory. It is for research and development use only. This substance is not SARA listed.

US Federal Regulations: SARA 313: This product is not regulated by SARA CAA, Section 112, Hazardous Air Pollutants (HAPs) (40 CFR 61): This product does not contain HAPs.

US State Regulations: California Proposition 65: This product does not contain chemicals listed under Proposition 65.

SECTION 16 - OTHER INFORMATION

DATE REVISED: JUNE 1, 2016

THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE CORRECT BASED UPON DATA AVAILABLE TO ATCC. USERS SHOULD MAKE AN INDEPENDENT DECISION REGARDING THE ACCURACY OF THIS INFORMATION BASED ON THEIR NEEDS AND DATA AVAILABLE TO THEM. ALL SUBSTANCES AND MIXTURES MAY PRESENT UNKNOWN HAZARDS AND ALL NECESSARY SAFETY PRECAUTIONS SHOULD BE TAKEN. ATCC ASSUMES NO LIABILITY RESULTING FROM USING OR COMING IN CONTACT WITH THIS SUBSTANCE.

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