



MATERIAL SAFETY DATA SHEET

Issued June 2014

Emergency phone number: 1-888-WISENT-1

NEWBORN CALF SERUM, HEAT INACTIVATED

Sterile

Catalog No.: 075-250 / 075-210 / 075-205

Identity: (AS used on label and list)

CAS: NA

Manufacturer: Wisent Inc.

SECTION I – HAZARDOUS INGREDIENTS

General Information: To the best of our knowledge, this material is not believed to be toxic, hazardous or dangerous to one's health according to OSHA regulations. Follow appropriate guidelines for proper laboratory precautions and procedures when handling product. Wear appropriate protective clothing to limit exposure to eyes, skin and mucous membranes, as irritation may occur while using dry powders or liquid media. Wash hands thoroughly after handling.

Applications: For laboratory use only. Not for drug, household or other uses.

NFPA: Health : 0 Fire : 0 Reactivity : 0

SECTION II - FIRE AND ACCIDENTAL EXPOSURE DATA

Flash point: Not applicable

Auto ignition temperature: Not applicable

Flammable limits: Not applicable

Extinguishing media: Water, CO₂, dry chemical powder, alcohol foam or other appropriate form for extinguishing the material supporting the fire.

Firefighting procedures: For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment (for skin and eyes), such as self-contained breathing apparatus.

Hazard: May emit highly toxic fumes under fire conditions.



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SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance: Clear amber solution

Boiling point: Not applicable

Evaporation rate (Butyl Acetate = 1): Not applicable

Melting point: Not applicable

Solubility in water: Not applicable

Specific Gravity (H₂O =1): Not applicable

Vapor Density (Air =1): Not applicable

Vapor pressure (mm Hg): Not applicable

SECTION IV - REACTIVITY DATA

Stability: Stable when stored as directed

Condition to avoid: Not applicable

Incompatibility (Materials to Avoid): Not applicable

Hazardous decomposition: Not applicable

Hazardous Polymerization: Will not occur



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SECTION V – HEALTH HAZARD & FIRST AID INFORMATION

POTENTIAL HEALTH EFFECTS AND SYMPTOMS OF EXPOSURE

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Skin: May cause skin irritation: redness or itching. May be harmful if absorbed through the skin.

Eye contact: May cause irritation and reddening of eyes.

Ingestion: May be harmful if swallowed.

TARGET ORGANS

N/A

CARCINOGENICITY

N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

N/A

EMERGENCY & FIRST AID PROCEDURES

Eyes: First check the victim for contact lenses and remove if present. Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing and shoes. Immediately rinse skin with copious amounts of water for at least 15 minutes. Seek medical attention.

Inhalation: Remove to fresh air. If discomfort occurs and persists, give oxygen and obtain medical attention. If not breathing, give artificial respiration.

Ingestion: Wash out mouth with water. If abdominal discomfort occurs, obtain medical attention.



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SECTION VI – PRECAUTIONS FOR SAFE HANDLING AND USE

STORAGE AND HANDLING

Store frozen (-5 to -20°C) for product quality assurance.

OCCUPATIONAL SPILLS

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Absorb on sand or vermiculite. Sweep up and place in suitable container for reclamation or disposal. Avoid raising dust. Ventilate area and wash spill site after pickup is completed.

WASTE DISPOSAL METHOD

Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local regulations for waste disposal.

SECTION VII – GUIDELINES FOR SAFE HANDLING

RECOMMENDED PERSONAL PROTECTION EQUIPMENT

Respiratory: NIOSH/MSHA approved

Eyes: Appropriate eye protection, such as chemical type goggles should be worn to prevent eye contact.

Clothing and equipment: Chemical resistant gloves. As recommended by internal safety committee. Safety shower and eye bath.

General precautions: Use good laboratory precautions and practices. Wash hands thoroughly after handling. Avoid prolonged or repeated exposure. Keep tightly closed. Store in a cool dry, well-ventilated area.

SPECIAL PROTECTION INFORMATION

Ventilation requirements: Use only in systems, processes, and procedures in which effective ventilation has been provided.

Additional Information: This information is believed to be accurate and represents the best information available to date. We make no warranty or assume liability from its use. Users should make their own investigations to determine the suitability of the information.