SAFETY DATA SHEET

Date Created: April 9, 2016 Revision: 3 Supersedes Revision: 2

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product name : **NON-STERILE NEWBORN CALF SERUM**

SKU : **NBU05**

Brand : **Equitech-Bio, Incorporated**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant Identified uses : In Vitro Diagnostic Research, Laboratory Reagents, and technical uses only.

1.3 Details of the supplier of the safety data sheet

Company : **Equitech-Bio, Incorporated**
512 Cotton Gin Lane
Kerrville, TX 78028
USA

Telephone : **(830) 257-0005**

Fax : **(830) 257-0006**

1.4 Emergency telephone number

Emergency Phone # : **(830) 739-0830**

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Respiratory sensitization (Category 1), H334

For the full text of the H-Statements mentioned in this Section, see Section 16.

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2.2 GHS Label elements, including precautionary statements

Pictogram 

Signal word: Danger

Hazard statement(s)

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P285	In case of inadequate ventilation wear respiratory protection.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P501	Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : Non-sterile newborn calf serum

No ingredients are hazardous according to OSHA criteria.
No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

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In case of skin contact
Wash off with soap and plenty of water.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labeling (section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Nature of decomposition products not known.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for fire-fighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapors, mist or gas.
For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections.
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: For long term storage, store frozen at -20°C ± 5°C.

Avoid repeated freezing and thawing.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate standards such as NIOSH (US) or EN 166 (EU)**.**

Skin protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Physical state	Liquid
b)	Appearance/Color	Amber
c)	Odor	No information available
d)	Odor Threshold	No information available
e)	pH	6.8 - 8.2
f)	Melting Point/Range	No information available
g)	Initial boiling point and Boiling range	No information available
h)	Flash point	No information available
i)	Evaporation Rate	No information available
j)	Flammability(solid, gas)	No information available
k)	Upper/lower flammability Or explosive limits	No information available
l)	Vapor pressure	No information available
m)	Vapor density	No information available
n)	Relative density	No information available
o)	Solubility	No information available

p)	Partition coefficient: Noctanol/water	No information available
q)	Auto-ignition temperature	No information available
r)	Decomposition Temperature	No information available
s)	Viscosity	No information available
t)	Explosive properties	No information available
u)	Oxidizing properties	No information available

9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
None known, based on information available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No information available

10.4 Conditions to avoid
No information available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
None under normal processing

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No information available

Inhalation: no information available

Dermal: no information available

Skin corrosion/irritation
No information available

Serious eye damage/eye irritation
No information available

Respiratory or skin sensitization
No information available

Germ cell mutagenicity
No information available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No information available

Specific target organ toxicity- Single exposure No information available

Aspiration hazard No information available

Additional Information No information available

RTECS	No information available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1	**Toxicity**	No information available
12.2	**Persistence and degradability**	No information available
12.3	**Bioaccumulative potential**	No information available
12.4	**Mobility in soil**	No information available
12.5	**Results of PBT and vPvB assessment**	No information available
12.6	**Other adverse effects**	No information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORATION INFORMATION

DOT (US)	Not dangerous goods | not regulated
IMDG	Not dangerous goods | not regulated
IATA	Not dangerous goods | not regulated

15. REGULATORY INFORMATION

SARA 302 COMPONENTS

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Texas Right To Know Components

	CAS – No.	Revision date
Non-sterile newborn calf serum	-	

California Prop. 65
This product does not contain any Proposition 65 chemicals.

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico – Grade No information available

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class Non-controlled

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16. OTHER INFORMATION

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Revision Summary

This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910, 1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated any may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Equitech-Bio, Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.equitech-bio.com for additional terms and conditions of sale.