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SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

- 1.1 Product Identifier:**
Product Name Androhep®EnduraGuard Plus™ with Apramycin, Ampicillin & CSP
Product Number 13532/3100; 13532/3111
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Recommended Use Culture Medium for Boar Semen
- 1.3 Details of the supplier of the safety data sheet:**
Company Minitube USA
419 Venture Ct.
Verona, WI 53593 USA
- Telephone +1 800-646-4882
Fax +1 608-845-1522
- 1.4 Emergency Telephone Number:**
Emergency Phone # (608) 845-1502

SECTION 2 – HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
Not a hazardous substance or mixture.
- 2.2 GHS Label elements, including precautionary statements:**
Not a hazardous substance or mixture.
- 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:**
This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:	CAS-No.
CSP	None
Bovine Serum Albumin	9048-46-8
Sodium Citrate	6132-04-3
HEPES	7365-45-9
EDTA (disodium salt)	6381-92-6
Glucose Monohydrate	5996-10-1
Sodium Bicarbonate	144-55-8
Apramycin sulfate, 0.25g/l	65710-07-8
Ampicillin Sodium, 0.25g/l	69-52-3
Fructose	57-48-7

- 3.2 Information** regarding the specific chemical identity of this material is being withheld as a trade secret of the manufacturer according to the applicable regulations.

SECTION 4 – FIRST- AID MEASURES

4.1 Description of first aid measures:

if inhaled:

Remove to fresh air. If not breathing, give artificial respiration.

in case of skin contact:

Wash exposed area with soap and water. If irritation persists, see medical attention.

in case of eye contact:

Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally.

if ingested:

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 labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed:

No data available.

SECTION 5 – FIRE - FIGHTING MEASURES

5.1 Extinguishing media:

Suitable Extinguishing Media: Water spray, Carbon dioxide, dry chemical powder, or appropriate alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture: No data available.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.4 Further information: No data available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. For personal protection see section 8.

6.2 Environmental precautions: No data available.

6.3 Methods and material for containment and cleaning up: Sweep up and place in suitable closed containers for later disposal.

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

SECTION 7 – HANDLING AND STORAGE

7.1 Precaution for safe handling:

Provide appropriate exhaust and / or dust masks at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities:
Keep tightly closed and store in a cool, dry place. Recommended storage temp: 2° to 8°C.

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

SECTION 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 government standards such as NIOSH (US) or EN 166(EU).

Skin Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Body Protection is not required.

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposures:

Do not let product enter drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

a)	Appearance	Form: Powder Color: Off-White
b)	Odor	Yes
c)	Odor Threshold	No data available.
d)	pH	6.6 - 7.3
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/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	Soluble, some particulates.

o)	Partition coefficient: n-octanol/water	No data available.
p)	Auto-ignition temperature	The substance or mixture is not classified as self heating
q)	Decomposition	No data available.
r)	Viscosity	No data available.
s)	Explosive properties	Not explosive
t)	Oxidizing properties	The substance or mixture is not classified as oxidizing.

9.2 Other safety information:

a)	Solution color	Light amber
b)	Solution turbidity	Slightly cloudy

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity: No data available.

10.2 Stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: Will not occur.

10.4 Conditions to Avoid: Exposure to moisture and light. Do not heat over 30°C.

10.5 Incompatible Materials: Strong oxidizing agents.

10.6 Hazardous Decomposition Products: Toxic fumes of Carbon oxides, Nitrogen oxides, and Sulfur oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity: Inhalation: Not a toxic substance.

Skin corrosion/irritation: Skin contact: No skin irritation

Serious eye damage/eye irritation: Eye contact: No eye irritation

Respiratory or skin sensitization: Does not cause skin sensitization.

Germ Cell mutagenicity: Does not cause any mutagenic effects.

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 probable, possible or confirmed human carcinogen by ACGIH.

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

OSHA: 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 OSHA.

Reproductive toxicity:

This substance is not toxic to reproduction.

Specific target organ toxicity - single exposure: This substance is not toxic to organs.

Specific target organ toxicity - repeated exposure: This substance is not toxic to organs.

Aspiration hazard: No data available.

Additional information: None

SECTION 12 – ECOLOGICAL INFORMATION

- 12.1 Toxicity:** No known toxicity.
- 12.2 Persistence and degradability:** Biodegradability - Readily biodegradable
- 12.3 Bioaccumulative potential:** No bioaccumulation is to be expected.
- 12.4 Mobility in soil:** No data available.
- 12.5 Other adverse effects:** No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

- 13.1 Appropriate Method of Disposal of Substance or Preparation:**
Observe all federal, state, and local environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT

Proper Shipping Name: None
Non-Hazardous for Transport.

IATA

Proper Shipping Name: None
Non-Hazardous for Air Transport:

SECTION 15 – REGULATORY INFORMATION

No chemicals in this material / mixture are subject to any reporting requirements under SARA hazards.

SECTION 16 – OTHER INFORMATION

Disclaimer: Not for drug, household or other uses.

Version: 6 **Date of revision: 8.27.19**
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).

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