

## SAFETY DATA SHEET

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### SECTION 1 – IDENTIFICATION

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- 1.1 Product Identifier:**  
Product Name Androstar® Plus with Apramycin, Ampicillin  
Product Number(s) 13531/4001; 13531/4003; 13531/4100
- 1.1 Relevant identified uses of the substance or mixture and uses advised against:**  
Recommended Use In vitro cell culture for boar semen
- 1.3 Details of the supplier of the safety data sheet:**  
Company Minitube USA, Inc.  
419 Venture Ct.  
Verona, WI 53593 USA  
Tel: 800-646-4882  
Fax: 608-845-1522  
Email: [info@minitube.com](mailto:info@minitube.com)  
Web: [www.minitube.com](http://www.minitube.com)
- 1.4 Emergency Telephone Number:**  
During normal business hours (Monday-Friday, 8:00am-4:30pm CST): 608-845-1502  
After normal business hours: Chemtrec®,  
Inside the USA: 800-424-9300  
Outside the USA: 001-703-527-3887

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### SECTION 2 – HAZARD(S) IDENTIFICATION

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- 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, bio-accumulating and toxic (PBT).

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### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

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- | 3.1 Substances      | CAS-No.    |
|---------------------|------------|
| Glucose Monohydrate | 50-99-7    |
| Sodium Citrate      | 6132-04-3  |
| Sodium Bicarbonate  | 144-55-8   |
| EDTA                | 6381-92-6  |
| Apramycin Sulfate   | 65710-07-8 |
| Ampicillin Sodium   | 69-52-3    |
- 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.

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### SECTION 4 – FIRST- AID MEASURES

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**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, seek 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.

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## SECTION 5 – FIRE - FIGHTING MEASURES

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**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.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**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.

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## SECTION 7 – HANDLING AND STORAGE

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**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 15°C.

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

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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**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.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties:**

|    |                                           |                                                            |
|----|-------------------------------------------|------------------------------------------------------------|
| a) | Appearance                                | Form: Powder<br>Color: Off-White                           |
| b) | Odor                                      | Some odor                                                  |
| c) | Odor Threshold                            | No data available.                                         |
| d) | pH                                        | 6.6 - 7.2                                                  |
| 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:**

None

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**SECTION 10 – STABILITY AND REACTIVITY**

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**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:** Hazardous decomposition products formed under fire conditions: carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulfur oxides.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

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**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

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## SECTION 12 – ECOLOGICAL INFORMATION

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**12.1 Toxicity:** No known toxicity.

**12.2 Persistence and degradability:** Biodegradability - Readily biodegradable

**12.3 Bio-accumulative potential:** No bioaccumulation is to be expected.

**12.4 Mobility in soil:** No data available.

**12.5 Other adverse effects:** No data available.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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

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## SECTION 14 – TRANSPORT INFORMATION

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### DOT

Proper Shipping Name: None  
Non-Hazardous for Transport.

### IATA

Proper Shipping Name: None  
Non-Hazardous for Air Transport

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## SECTION 15 – REGULATORY INFORMATION

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

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## SECTION 16 – OTHER INFORMATION

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**Disclaimer:** Not for drug, household or other uses.

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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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