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MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification: # 10-2000, #10-2010, #10-2017, #10-2050

**Revolution™ Formula Stallion Semen
Extender**

Product Use: extender for stallion semen **FOR ANIMAL USE ONLY**

Manufacturer / Supplier:

Reproduction Resources
400 S. Main Street
Walworth, WI 53184 USA
Telephone: 262-275-9990
Fax: 262-275-1335
Emergency telephone: 262-909-5023

2 – Composition / Information on Ingredients

Ingredient	Product
Glucose	All
Sucrose	All
Potassium penicillin	10-2010, 10-2017
Amikacin sulfate	10-2010, 10-2017
Ticarcillin	10-2050
Milk powder	All

3. HAZARDS IDENTIFICATION

Emergency Overview

Irritant to eyes, respiratory system and skin
May cause sensitization by inhalation and skin contact

In case of accident, seek medical advice immediately.
Wear suitable protective clothing and gloves.

Potential Health Effects

Acute Toxicity

May cause irritation to eyes.
May cause eye/skin irritation.
May cause irritation of respiratory tract
Prolonged or repeated exposure may cause allergic reactions in some sensitive individuals.

Target Organ Data

Behavioral [somnolence, convulsions or effect on seizure threshold]
Lungs, thorax, respiration [dyspnoea, or other changes]
Gastrointestinal [ulcerations, bleeding from stomach]

First Aid Measures

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact

Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use.

Inhalation

Move to fresh air. If breathing becomes difficult, give oxygen.

Ingestion

Clean mouth with water and afterwards drink plenty of water.

Notes to Physician

Treat symptomatically.

4. FIRE-FIGHTING MEASURES

Flammable Properties

Not flammable.

Flash Point

Not determined

Suitable Extinguishing Media

Dry chemical, CO₂, water spray or regular foam.

Hazardous Combustion Products

Carbon oxides

Explosion Data

Sensitivity to Mechanical Impact

Not sensitive.

Sensitivity to Static Discharge

Not sensitive.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

5. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

6. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures showers / eyewash stations / ventilation systems

Personal Protective Equipment
Eye/Face / Skin / Body Protection safety glasses with side shields / protective gloves and clothes

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	No information available
Physical State	Powder
Flash Point	No information available
Boiling Point/Range	No information available
Explosion Limits	No information available
Solubility	No information available
Vapor Density	No information available
Odor	No information available
Autoignition Temperature	No information available
Flammability Limits in Air	No information available
Evaporation Rate	No information available

9.. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products acids, heavy metal salts, oxidizing agents, alcohol

Conditions to Avoid None known based on information supplied.

Hazardous Decomposition Products Carbon oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

10. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral
Glucose	25800 mg/kg (Rat)
Penicilin-G, potassium salt	8900 mg/kg (rat)
Amikacin sulfate	>4000mg/ml (Rat)
Ticarcillin	16000 mg/kg (Rat)

Target Organ Data

Behavioral [somnolence, convulsions or effect on seizure threshold]

Lungs, thorax, respiration [dyspnea, or other changes]

Gastrointestinal [ulcerations, bleeding from stomach]

11. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

12. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging Dispose of in accordance with all federal, state and local regulations.

13. OTHER INFORMATION

Disclaimer

The information provided on this MSDS 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 and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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