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MATERIAL SAFETY DATA SHEET

PRODUCT NAME:

Calcium Gluconate 23%

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Calcium Gluconate 23%

NTI #: 18-802
Rev. Date: 15NOV17

1. Product and Company Identification:	Product: Calcium Gluconate 23% Company: Nova-Tech, Inc. Address: 4705 Gold Core Road, Grand Island, NE 68801 Telephone: 308-381-8841 Fax: 308-381-6038 Recommended Use: For use in cattle as an aid in treating uncomplicated mile fever (parturient paresis). Restrictions on Use: Solution should be warmed to body temperature and administered slowly. Entire contents should be used upon entering, as this product contains no preservative. Discard any unused portion. Do not use if solution is cloudy or contains precipitate.
2. Hazards Identification: Hazard Pictogram:  Signal Word: Warning	Emergency Overview: Overexposure can result in nausea, vomiting, and shortness of breath. Hazard Statements: H303; H320; H315 Potential Health Effects Routes of Exposure: Ingestion, inhalation, skin contact, or eye contact. Eyes: May cause eye irritation. Skin: May cause skin irritation. Inhalation: Not known. Ingestion: Toxicity following ingestion is not expected. Ingestion should be avoided. Potential environmental effects: Ecological injuries are not known or expected under normal use.
3. Composition / Information on Ingredients:	Boric Acid Calcium Gluconate Monohydrate Water for Injection
4. First Aid Measures:	First Aid Procedures Eye Contact: Immediately flush with water for 15 minutes. If symptoms persist, call physician. Skin Contact: Wash thoroughly with soap and water. If irritation develops, call physician. Inhalation: If not breathing, provide CPR. Otherwise move to area with fresh air. If symptoms persist, call physician. Ingestion: If victim is conscious, induce vomiting. If adverse reactions occur, seek medical attention immediately and contact CDC. General Advice: If you feel unwell, seek medical advice (show label when possible).
5. Fire Fighting Measures:	Flammable Properties: This product is not flammable. Extinguishing Media: As appropriate for surrounding media. Protection of Firefighters Specific Hazards Arising from the Chemical: N/A Protective Equipment and Precautions for Firefighters: N/A Specific Methods: N/A
6. Accidental Release Measures:	Personnel Precautions: Keep unnecessary personnel away. Environmental Precautions: If safe to do so, prevent further leakage or spillage. Avoid discharge into drains, water courses, or on the ground.



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Methods for containment: If safe to do so, stop source of leak.
Methods for Cleaning Up: For small spillage: Absorb with sand or other non-combustible absorbent material and place in labeled containers for later disposal. Large spillage: Dam and absorb spillage with sand, sawdust, or other absorbent material. Following product recovery and placement in labeled disposal containers, flush area with water and clean thoroughly.

7. Handling and Storage: **Handling:** Avoid contact with eyes, skin, and clothing. Handle in accordance with good industrial hygiene and safety practice.
Storage: Use care in handling/storage. Store in tightly closed containers per label instructions.

8. Exposure Controls / Personal Protection: **Engineering Controls:** Provide adequate ventilation
Personal Protective Equipment
Eye / Face Protection: Safety glasses if eye contact is possible
Skin Protection: Wear suitable protective clothing as needed. Latex or impervious gloves if skin contact is possible.
Respiratory Protection: Not required for normal use of this material.
General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties:

Appearance:	Liquid
Physical State:	Liquid
Form:	Aqueous Solution
Color Light:	Clear, Colorless to yellow color
Odor:	Sweet aroma to none
Boiling Point:	100°C
Flash Point:	N/A
Flammability:	Non-flammable
Vapor Pressure:	N/A
Density:	N/A
Solubility (Water):	Miscible
Viscosity:	No Data Available
Vapor Density:	N/A
Evaporation Rate:	N/A
Melting Point:	N/A
Freezing Point:	No Data Available
Burning Index:	No Data Available

10. Chemical Stability and Reactivity Information: **Chemical Stability:** Material is stable under normal conditions.
Hazardous Decomposition Products: None expected under normal condition.
Possibility of hazardous reactions: None.

11. Toxicological Information:

Toxicological Data	
Product:	Calcium Gluconate 23%
Sensitization:	No Data Available
Chronic Effects:	No Data Available
Carcinogenicity:	No Data Available
Skin Corrosion / Irritation:	No Data Available
Epidemiology:	No Data Available



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Mutagenicity: No Data Available
Neurological Effects: No Data Available
Reproductive Effects: No Data Available
Teratogenicity: No Data Available
Further Information: No Data Available

12. Ecological Information: **Ecotoxicological Data**
Components: No Data Available
Test Results: No Data Available
Ecotoxicity: No Data Available
Environmental Effects: No Data Available
Persistence and Degradability: No Data Available

13. Disposal Considerations: **Disposal Instructions:** According to Federal regulations (40CFR 261.4 (b) (4)), it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Disposal should be in accordance with all applicable regulations.

14. Transport Information: **DOT:** Not regulated as dangerous goods.

15. Regulatory Information: **US Federal Regulations:** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.
CERCLA/SARA Hazardous Substances: Not applicable.
CERCLA (Superfund) Reportable Quantity: None.
Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories Immediate Hazard – No
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No
Section 302 Extremely Hazardous Substance: No
Section 311 Hazardous Chemical: No

16. Other Information:
Prepared By: Nova-Tech, Inc. – Tel: 308-381-8841
Date: 15NOV17

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. It 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.
End of SDS