MATERIAL SAFETY DATA SHEET VEDCO GLUCAMINOLYTE FORTE 1000ML _____ SECTION 1 - PRODUCT INFORMATION _____ Manufacturer: Sparhawk Laboratories Address: 12340 Santa Fe Trail Drive Lenexa, KS 66215 Emergency Phone: (913) 888-7500 Trade Name: Glucaminolyte Fotre Chemical Name And Synonyms: Keto-Amino Forte, dextroseelectrolyte-amino acid and amino. Chemical Family: Dextrose solution with electrolytes and amino acids/essential nutrients. Significant Ingredients: Dextrose, sodium chloride, sodium acetate, potassium acetate, calcium chloride, magnesium chloride, amino acids. _____ SECTION 2 - HAZARDOUS INGREDIENTS _____ NA SECTION 3 - PHYSICAL DATA _____ Physical Form: Liquid solution Appearance: Clear, colorless liquid pH: 4.0 - 6.5 _____ SECTION 4 - FIRE AND EXPOLSION HAZARD DATA _____ Flash Point (Method Used): Flammable Limits: Extinguishing Media: Special Fire Fighting Procedures: Unusual Fire And Expolsion Hazards: SECTION 5 - HEALTH HAZARD DATA _____ Threshold Limit Value: NA Toxicity: Not established; not believed to be highly toxic Effects Of Overexposure: May cause irritation of eyes and mucous membranes. Emergency First Aid Procedure: Eyes: Flush with large amounts of water. If irritation develops seek medical attention. Skin: Thoroughly wash exposed area with soap and water. If irritation develops, contact a physician. Inhalation: Remove to fresh air. If there is breathing difficulty, give oxygen or artificial respiration if necessary. Ingestion: Swallowing large amounts may cause irritation, vomiting, diarrhea and abdominal pain. Get medical attention immediately. _____

SECTION 6 - REACTIVITY DATA

Stability: () Unstable (XX) Stable

Conditions To Avoid: Oxidizing agents, heat, sparks and open flames.

Incompatibility (Materials To Avoid):

Hazardous Polymerizations: () May Occur (XX) Will Not Occur

Hazardous Decomposition Products: Toxic fumes may be released upon thermal decomposition (carbon diox-

ide, carbon monoxide, chlorine, hydrogen chloride, sodium oxide).

SECTION 7 - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled:

Eliminate ignition sources. Evacuate nonessential personnel. For small spills: flush away with water. For large spills: absorb liquid on clay, sand, or other suitable absorbent material and shovel into DOT-approved containers for disposal. Flush area with detergent and water.

Waste Disposal Method:

Incineration or sanitary landfill, utilizing facilities that are in compliance with all applicable federal, state and local regulations.

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SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):

Ventilation:

Mechanical (General):

Special:

Protective Gloves:

Other Protective Equipment:

SECTION 9 - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:

Store at controlled room temperature between 15 - 30 C (59-86 F)

Other Precautions: As per label directions.

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