

**SAFETY DATA SHEET**  
DRY CIDER VINEGAR

FILE NO.: 514122, 514123  
SDS DATE: 05/05/15

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Dry Cider Vinegar  
PRODUCT CODES: 514122, 514123  
MANUFACTURED FOR: Best Veterinary Solutions, Inc  
ADDRESS: 1716 Detroit St.,  
Ellsworth, IA 50075  
EMERGENCY PHONE: 888-378-4045  
CHEMTREC PHONE: 800-535-5053  
FAX PHONE: 515-836-4464  
PREPARED BY: Anthony Flora

SECTION 1 NOTES:

**SECTION 2: HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW: Not a Fire Hazard; Not an environmental hazard; Extreme over exposure may result in accumulation in some organs

ROUTES OF ENTRY: Skin, Inhalation, Eyes

POTENTIAL HEALTH EFFECTS

EYES: May cause burning and irritation

SKIN: May also aggravate pre existing conditions of eyes, skin, internal organs, and respiratory conditions.

INGESTION: Extreme amounts of ingestion may cause liver damage.

INHALATION: Possible potential allergen in extreme cases of single over exposure

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: Repeated overexposure – possible skin and/or eyes irritation, nausea, intestinal ailments, and liver damage

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CARCINOGENICITY

OSHA: ACGIH: NTP: IARC:  
OTHER:

SECTION 2 NOTES:

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>
Citric Acid Anhydrous: C6H8O7;	77-92-9		
Tannic Acid Tanex A: C76H52O46	1401-55-4		

SECTION 3 NOTES:

**SECTION 4: FIRST AID MEASURES**

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EYES: Flush for 15 minutes with water/eye wash/seek medical attention

SKIN: Wash thoroughly with detergent and water/seek medical advice

INGESTION: Seek medical advice;

INHALATION: Remove victim to fresh air/seek medical attention

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: ALWAYS SEEK MEDICAL ATTENTION

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## SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER: N/A  
(% BY VOLUME) LOWER: N/A

FLASH POINT:

F: N/A

C: 198

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION

HEALTH: N/A

FLAMMABILITY: N/A

REACTIVITY: N/A

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: N/A

FLAMMABILITY: N/A

REACTIVITY: N/A

PROTECTION: N/A

EXTINGUISHING MEDIA: Water, Dry Powder, Foam, Carbon Dioxide (dependent on surrounding environment) (DO NOT USE WATER JET)

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should use NIOSH approved and full protective equipment when fighting chemical fire. SCBA required if excessive smoke is present.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes of carbon monoxide and carbon dioxide under fire conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Known

SECTION 5 NOTES:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: Notify management of material spills. Product spills should be swept up for disposal, avoid breathing dust. Prevent dispersion of dust to water sources. Follow all federal, state and local regulations for disposal.

SECTION 6 NOTES:

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: Store in a cool dry place away from sources of high heat. Keep away from children, pets, and unauthorized handling.

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OTHER PRECAUTIONS:

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SECTION 7 NOTES:

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: N/A

VENTILATION: Yes

RESPIRATORY PROTECTION: A NIOSH-approved respirator for dust, if needed.

EYE PROTECTION: Recommended

SKIN PROTECTION: Recommended Gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NIOSH Approved

WORK HYGIENIC PRACTICES: N/A

EXPOSURE GUIDELINES: N/A

SECTION 8 NOTES: Precautions such as the following should be observed: dust masks or respirators and protective clothing would be worn; dust arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; shower before eating or leaving work site; be alert for signs of allergic reactions – Seek medical treatment if such reactions are suspected.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: White to light yellow/tan crystals

ODOR: None

PHYSICAL STATE: Solid

pH AS SUPPLIED: N/A

pH (Other):

BOILING POINT:

F: N/A

C: N/A

MELTING POINT:

F: N/A

C: N/A

FREEZING POINT:

F: N/A

C: N/A

VAPOR PRESSURE (mmHg):

@

F: N/A

C: N/A

VAPOR DENSITY (AIR = 1):

@

F: N/A

C: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

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F: 1.665

C: N/A

EVAPORATION RATE:

BASIS (=1):

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont.)

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SOLUBILITY IN WATER: Yes

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PERCENT SOLIDS BY WEIGHT: 134 G/100G water appreciable

PERCENT VOLATILE:  
BY WT/ BY VOL @

F:  
C: 587

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER:	LBS/GAL
WITHOUT WATER:	LBS/GAL

MOLECULAR WEIGHT:  
VISCOSITY:

@  
F:  
C:

SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Not Known

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents; strong bases

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Toxic fumes of Carbon monoxide and dioxide

HAZARDOUS POLYMERIZATION: Not Known

CONDITIONS TO AVOID (POLYMERIZATION): Not Known

SECTION 10 NOTES:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: Not Determined

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: Not Determined

SECTION 12 NOTES: Prevent contamination of soil, ground and surface water.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Notify management of material spills. Product spills should be swept up for disposal, avoid breathing dust. Prevent dispersion of dust to water sources. Follow all federal, state and local regulations for disposal.

RCRA HAZARD CLASS:

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## SECTION 13: DISPOSAL CONSIDERATIONS (cont.)

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SECTION 13 NOTES:

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

### WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

### AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES: Label for animal feed use only. Ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration (21 CFR 172, 182, 184 and 582).

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: Certain components of animal feeds include medicated premixes; possess properties that may be potential health hazard or a source of personal discomfort to certain individuals who are exposed to them. Human exposure should therefore, be minimized by observing the general industry standards for occupational health and safety.

PREPARATION INFORMATION:

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