

**SAFETY DATA SHEET**  
SOLULYTES

FILE NO.: 514152, 514153, 514154, 514151  
SDS DATE: 05/05/15

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Solulytes  
PRODUCT CODES: 514152, 514153, 514154, 514151  
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: May cause Nausea and Vomiting

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>
Potassium Chloride; KCL	7447-40-7		
Sodium Chloride; NaCl	7647-14-5		
Citric Acid Anhydrous; C6H8O7;	77-92-9		
MAGNESIUM SULFATE; MgSO4;	7487-88-9		

SECTION 3 NOTES:

**SECTION 4: FIRST AID MEASURES**

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

SKIN: Wash thoroughly with mild 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: N/A

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: Full NIOSH approved self contained breathing apparatus/PPE should be used in pressure demand or positive pressure mode. Protective clothing should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Be aware of possible hazards due to surrounding environment i.e. electrical, gas lines, confined spaces, etc.

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 tan crystals

ODOR: Slight

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: > 1MM @ 1589 degree

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: > 1.66

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:

PERCENT VOLATILE:

BY WT/ BY VOL @

F:

C:

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): Excessive heat, ignition sources, damp storage areas, extreme or constant light.

INCOMPATIBILITY (MATERIAL TO AVOID): None Known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None Known

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID (POLYMERIZATION): Excessive heat, ignition sources, damp storage areas, extreme or constant light.

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:**

**DISCLAIMER:** The information contained herein, to the best of our knowledge, is true and accurate. Any recommendations or suggestions are made without warranty or guarantee, since the conditions of use are beyond our control. Nothing contained herein shall be construed to imply the non-existence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention without authority from the owner of the patent.