

SAFETY DATA SHEETS

This SDS packet was issued with item:

078924514

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078924403

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 1 of 10

Equi-Dex® Electrolyte, Apple

SECTION 1: Identification

Product identifier

Product name: Equi-Dex® Electrolyte, Apple

Product code: 12450814, 14859111

Additional information: Product type: Nutritional source of electrolytes and trace minerals for horses.

Recommended use of the product and restriction on use

Relevant identified uses: For use in horses. Promotes healthy hydration.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Supplier:

United States

Aspen Veterinary Resources, LTD.

3155 W. Heartland Drive

Liberty, MO 64068

1-800-792-1238

Emergency telephone number:

United States

CHEMTREC

Within USA and Canada: 1-800-424-9300 (24 hours)

Outside USA and Canada: +1-703-527-3887 (24 hours)

SECTION 2: Hazard(s) identification

GHS classification: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements:

P102 Keep out of reach of children

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 7647-14-5	Sodium chloride	67.8

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 2 of 10

Equi-Dex® Electrolyte, Apple

CAS number: 7447-40-7	Potassium chloride	20.3
CAS number: 5996-10-1	α -D-Glucopyranose, hydrate (1:1)	6.9
CAS number: 7487-88-9	Magnesium sulfate	3.8
CAS number: 471-34-1	Calcium Carbonate	0.85
CAS number: N/A	Artificial apple flavor	0.017
CAS number: 12225-21-7	FD & C Yellow no. 5 aluminum lake	<0.01
CAS number: 68921-42-6	FD & C Blue no. 1 aluminum lake	<0.01

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. If respiratory symptoms develop or persist, seek medical advice/attention.

After skin contact:

Wash affected area with plenty of soap and water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, seek medical advice/attention.

After eye contact:

Immediately rinse eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. If eye irritation develops or persists, seek medical advice/attention.

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Treat symptomatically.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 3 of 10

Equi-Dex® Electrolyte, Apple

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Sweep or vacuum spillage and collect in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10). Optimal storage temperature: 60-80 °F.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 4 of 10

Equi-Dex® Electrolyte, Apple

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Calcium Carbonate	471-34-1	REL-TWA: 10 mg/m ³ (up to 10 hr [Total])
	Calcium Carbonate	471-34-1	REL-TWA: 5 mg/m ³ (up to 10 hr [Respirable])
	Calcium Carbonate	471-34-1	REL-TWA: 10 mg/m ³ (up to 10 hr [Marble and limestone - total])
	Calcium Carbonate	471-34-1	REL-TWA: 5 mg/m ³ (up to 10 hr [Marble and limestone - respirable])
	FD & C Blue no. 1 aluminum lake	68921-42-6	REL-TWA: 2 mg/m ³ (up to 10 hr workday [Aluminum soluble salts and alkyls, as Al])
OSHA	Calcium Carbonate	471-34-1	8-Hour TWA-PEL: 15 mg/m ³ (Total dust)
	Calcium Carbonate	471-34-1	8-Hour TWA-PEL: 5 mg/m ³ (Respirable fraction)
	Calcium Carbonate	471-34-1	8-Hour TWA-PEL: 15 mg/m ³ (Limestone and marble - total dust)
	Calcium Carbonate	471-34-1	8-Hour TWA-PEL: 5 mg/m ³ (Limestone and marble - respirable fraction)
	FD & C Blue no. 1 aluminum lake	68921-42-6	8-Hour TWA: 2 mg/m ³ (Aluminum, as Al, soluble salts.)
United States(California)	FD & C Blue no. 1 aluminum lake	68921-42-6	8-Hour TWA-PEL: 2 mg/m ³ (Aluminum soluble salts)
ACGIH	FD & C Blue no. 1 aluminum lake	68921-42-6	TLV-TWA: 1 mg/m ³ (8 hr [Aluminum metal and insoluble compounds, respirable fraction])

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal protection equipment

Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 5 of 10

Equi-Dex® Electrolyte, Apple

limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

If spilled, use dust mask.

General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Green/blue fine granular powder
Odor	Apple aroma
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Does not boil below 212 °F.
Flash point (closed cup)	Does not flash below 212 °F.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Soluble in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not applicable.
Oxidizing properties	Not oxidizing.

Other information

Specific gravity	38 grams/volume ounce
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SECTION 10: Stability and reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical stability:

Stable under recommended handling and storage conditions.

Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to avoid:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 6 of 10

Equi-Dex® Electrolyte, Apple

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible materials:

None known.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Sodium chloride	oral	LD50 Rat: 3000 mg/kg
	inhalation	LC50 Rat: 42,000 mg/m ³ (1 hr (aerosol))
	dermal	LD50 Rabbit: >10,000 mg/kg
Potassium chloride	oral	LD50 Rat: 2600 mg/kg
Magnesium sulfate	Oral ATE	LD50 Rat: 500 mg/kg
	Dermal ATE	LD50 Rabbit: 1100 mg/kg
	Inhalation ATE	LC50 Rat: 1.5 mg/L (Dust/mist)
Calcium Carbonate	dermal	LD50 Rat: >2000 mg/kg
	inhalation	LC50 Rat: >3 mg/L (4 hr [aerosol])
	oral	LD50 Rat: >2000 mg/kg
FD & C Yellow no. 5 aluminum lake	oral	LD50 Rat: > 2000 mg/kg
	dermal	LD50 Rat: 2000 mg/kg
FD & C Blue no. 1 aluminum lake	oral	LD50 Rat: >2000 mg/kg

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 7 of 10

Equi-Dex® Electrolyte, Apple

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

OSHA Carcinogens: Not applicable

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

Oral, inhalation, dermal.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
FD & C Yellow no. 5 aluminum lake	LC50 Danio rerio: > 100 mg/L (96 hr)
	EC50 Daphnia magna: 360.4 mg/L (48 hr)
	EC50 Desmodesmus subspicatus: 74.2 mg/L (72 hr)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 8 of 10

Equi-Dex® Electrolyte, Apple

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Calcium Carbonate	Readily biodegradable in water (90% degradation after 28 days).
FD & C Yellow no. 5 aluminum lake	Inherently biodegradable in water.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Calcium Carbonate	Bioaccumulation in organisms is not to be expected.
FD & C Yellow no. 5 aluminum lake	Not expected to bioaccumulate (calculated BCF: 3.162 L/kg).
FD & C Blue no. 1 aluminum lake	BCF (aquatic species): 3.162 L/kg ww. Not expected to bioaccumulate.

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
FD & C Yellow no. 5 aluminum lake	Highly mobile (log K _{oc} : 0.704 dimensionless).
FD & C Blue no. 1 aluminum lake	Moderately mobile (Log K _{oc} : 2.09).

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance data:

PBT assessment:

Sodium chloride	This substance is not PBT.
Magnesium sulfate	PBT assessment does not apply to inorganic substances.
Calcium Carbonate	Substance is not PBT.
FD & C Yellow no. 5 aluminum lake	This substance is not PBT.
FD & C Blue no. 1 aluminum lake	Substance is not PBT.

vPvB assessment:

Sodium chloride	This substance is not vPvB.
Magnesium sulfate	vPvB assessment does not apply to inorganic substances.
Calcium Carbonate	Substance is not vPvB.
FD & C Yellow no. 5 aluminum lake	This substance is not vPvB.
FD & C Blue no. 1 aluminum lake	Substance is not vPvB.

Other adverse effects: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 9 of 10

Equi-Dex® Electrolyte, Apple

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): All ingredients are listed-active or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 08.05.2021

Page 10 of 10

Equi-Dex® Electrolyte, Apple

Massachusetts Right to Know:

471-34-1	Calcium Carbonate	Listed
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New Jersey Right to Know:

471-34-1	Calcium Carbonate	Listed
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New York Right to Know: None of the ingredients are listed.

Pennsylvania Right to Know:

471-34-1	Calcium Carbonate	Listed
68921-42-6	FD & C Blue no. 1 aluminum lake	Listed

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered 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 materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-0-0

HMIS: 0-0-0

Initial preparation date: 08.05.2021

End of Safety Data Sheet