

Material Safety Data Sheet (MSDS)



In accordance with EU No 1272/2008

Version 1.0 April 30,2020

Section 1 - Chemical Product and Company Identification

1.1 Product Identification

Product name: Blood bag, 500ml, CPDA-1, rolled bag and Blood bag, 250ml, CPDA-1, rolled bag

Cat. No 654500 and 654510

1.2 Content: Anticoagulant in form of Citrate Phosphate Dextrose Adenine Solution

1.3 Supplier: FioniaVet ApS, Kochsgade 31D, 5000 Odense C, Denmark, Tlf. +45 53536750

Email: kontakt@fioniavet

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as hazardous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

2.2 GHS Label elements, including precautionary statements

Pictogram(s): No pictogram is used.

Signal Word: No signal word is used.

Hazard Statement: No hazard statement.

Precautionary statements: No precautionary statement.

2.3 Description of any hazards not otherwise classified

No additional information available.

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Section 3 - Composition/Information on Ingredient

Substance () Preparation (✓) Article ()

Composition:

Chemical name	CAS No.	Content (%)
Dextrose (Monohydrate)	50-99-7	3.19%
Sodium Citrate(dihydrate)U.S.P	68-04-2	2.63%
Citric Acid(anhydrous)U.S.P	77-92-9	0.299%
Monobasic Sodium Phosphate (Monohydrate) U.S.P	7558-80-7	0.222%
Adenine U.S.P	73-24-5	0.0275%

Note: CAS No. is Chemical Abstract Service Registry Number.

Section 4 - First Aid Measures

4.1 Description of first aid measures:

Inhalation: No need of first aid is anticipated.

Skin Contact: Wash off with soap and plenty of water.

Eye Contact: Flush eyes with flowing water immediately.

Ingestion: If largely ingested or feeling unwell, rinse mouth with water. seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 -Extinguishing media

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Incombustible. No special fire and explosion hazard.

5.3 Advice for firefighters

As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting if necessary.

5.4 Further information

No data available.

Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid contact with skin and eyes. For personal protection see section 8.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up:

Small quantities may be contained by inert material(sand, diatomite, acid binders, universal binders, sawdust).

For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Gather the spilled product and keep in suitable, closed containers for recycle or disposal(see section 13).

Section 7 - Handling and Storage

7.1 Precautions for safe handling:

The usual precautionary measures for handling chemicals should be followed.

Use appropriate, approved safety equipment as mentioned in section 8.

Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and cool place.

Section 8 - Exposure Controls, Personal Protection

8.1 Exposure Limits: Not established.

8.2 Exposure controls

Engineering Control: General industrial hygiene practice.

Personal protective equipment:

Respiratory Protection: Not required under normal usage.

Eyes Protection: Not required under normal usage. Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Normal general work suit is enough in normal condition.

Hands Protection: Handle with chemical-resistant gloves.

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Liquid
Color	Straw yellow
Odor	Odorless
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable as incombustible.
Evaporation rate	Not available.
Flammability	Incombustible
Upper explosive limit % (V/V)	Not applicable. Will not occur.
Lower explosive limit % (V/V)	Not applicable. Will not occur.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable as incombustible.
Decomposition temperature	Not available.
Viscosity	Not available.
Viscosity	Not available.

Section 10 - Stability and Reactivity

10.1 **Stability:** Stable under normal storage temperature and pressure.

10.2 **Conditions to Avoid:** No data available.

10.3 **Incompatible materials:** No data available.

10.4 **Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire:see section 5.

10.5 **Possibility of hazardous reactions:** None hazardous reactions known under normal condition.

Section 11 - Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	Based on available data, the classification criteria are not met.
Serious Eye Damage/Eye Irritation:	Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization	No known sensitization effect.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity:	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA .
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	No known human health effects upon single exposure.
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	No known human health effects upon repeated exposure.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Potential Health Effects:	
Inhalation:	No obvious effects or harm under normal condition.
Skin Contact:	No known irritating effect.
Eye Contact:	May cause slight eye irritation.
Ingestion:	May be harmful if largely ingested.

Section 12 - Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Do not allow large amount of materials to release to drains or water body.

Section 13 - Disposal Considerations

Waste treatment methods

Product

Non-hazardous waste. Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Disposal as unused product after empty.

Section 14 - Transport Information

14.1 UN-Number

ADR/RID/ADN, IMDG, IATA Not applicable.

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA Not applicable.

14.3 Transport hazard class(es)

ADR/RID/ADN, IMDG, IATA

Class Not applicable.

Label Not applicable.

14.4 Packing group

ADR/RID/ADN, IMDG, IATA Not applicable.

14.5 Environmental hazards Not applicable.

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex 1 of

Marpol and the IBC Code Not applicable.

14.8 Transport/Additional information: Not dangerous according to the above specifications.

UN 'Model Regulation": Not applicable.

Section 15 - Regulatory Information

EU Regulations

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not classified.

US Regulations

OSHA:OSHA Hazard Communication Standard Status: This product is not considered to be a hazardous substance under OSHA' s Federal Hazard Communication Standard 29 CFR 1910.1200.

USA SARA

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components (Specific toxic chemical listings)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Additional Information

16.1 Reference

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| [1] | IPCS:The International Chemical Safety Cards (ICSC) | website: http://www.ilo.org/dyn/icsc/showcard.home |
| [2] | IARC | website: http://www.iarc.fr/ |
| [3] | OECD: The Global Portal to Information on Chemical Substances, | website:
http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en |
| [4] | CAMEO Chemicals, | website: http://cameochemicals.noaa.gov/search/simple |
| [5] | NLM:ChemIDplus, | website:
http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp |
| [6] | EPA: Integrated Risk Information System, | website: http://cfpub.epa.gov/iris/ |
| [7] | U.S. Department of Transportation:ERG, | website: http://www.phmsa.dot.gov/hazmat/library/erg |
| [8] | Germany GESTIS-database on hazard substance | website: http://gestis-en.itrust.de/ |

16.2 Abbreviations and acronyms

pH	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
OSHA	Occupational Safety and Health Administration
NTP	National Toxicology Program

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IARC	International Agency for Research on Cancer
ACGIH	The American Conference of Governmental Industrial Hygienists
UN	The United Nations
ADR	Agreement on Dangerous Goods by Road
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PC-STEL	Short term exposure limit
PC-TWA	Time Weighted Average
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
NOEC	No Observed Effect Concentration
EC50	Effective Concentration 50%
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative

16.3 Disclaimer

-This safety data sheet was prepared in accordance with UN GHS Rev.8, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200).

-The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product

16.4 Information on revision

MSDS Creation Date:	April 30, 2020
MSDS Revision Date:	-
Reason For Revision:	-
MSDS Edition:	1.0