SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Identifier

Product name: CPDA-1


Intended Use Of The Product

Use of the substance/mixture: Pharmaceutical. For professional use only.

Name, Address, And Telephone Of The Responsible Party

Fenwal Inc.
Three Corporate Drive
Lake Zurich, IL 60047
847-550-2300
www.fenwalinc.com
EHS@fenwalinc.com

Emergency Telephone Number

Emergency number : 760-476-3962

SECTION 2: HAZARDS IDENTIFICATION

Classification Of The Substance Or Mixture

GHS-US classification
Not classified

Label Elements

GHS-US labeling No labeling applicable

Other Hazards Not available

Unknown acute toxicity (GHS US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water (CAS No.) 7732-18-5</td>
<td></td>
<td>90 - 99</td>
<td>Not classified</td>
</tr>
<tr>
<td>Trisodium citrate dihydrate (CAS No.) 6132-04-3</td>
<td></td>
<td>1 - 5</td>
<td>Not classified</td>
</tr>
<tr>
<td>.alpha.-D-Glucopyranose, monohydrate (CAS No.) 14431-43-7</td>
<td></td>
<td>1 - 5</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description Of First Aid Measures

General: If you feel unwell, seek medical attention (show the label if possible).

Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Skin Contact: Gently wash with plenty of soap and water.

Eye Contact: Rinse with plenty of water immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a poison center or doctor.

Most Important Symptoms And Effects Both Acute and Delayed

General: Not expected to present a significant hazard under normal use.

Inhalation: None expected under normal conditions of use.

Skin Contact: Repeated or prolonged skin contact may cause mild skin irritation.

Eye Contact: May cause slight irritation.

Ingestion: Pharmaceutical anticoagulant. May be harmful if ingested.

Chronic symptoms: Not available
Indication Of Any Immediate Medical Attention And Special Treatment Needed
If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIREFIGHTING MEASURES
Extinguishing Media
Suitable extinguishing media: Not flammable. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: None.
Special Hazards Arising From The Substance Or Mixture
Fire hazard: Not flammable
Explosion hazard: Product is not explosive.
Reactivity: Stable at ambient temperature and under normal conditions of use.
Advice For Firefighters
Precautionary measures fire: Exercise caution when fighting any chemical fire.
Protection during firefighting: Firefighters should wear full protective gear.
Hazardous Combustion Products: Carbon oxides (CO, CO₂).
Reference To Other Sections
Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment And Emergency Procedures
General measures: Avoid all contact with skin, eyes, or clothing.
Environmental Precautions
Prevent entry to sewers and public waters.
Methods And Material For Containment And Cleaning Up
For containment: Stop the flow of material, if this is without risk.
Methods for cleaning up: Absorb spillage to prevent material damage
Reference To Other Sections
Refer to section 8 for Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE
Precautions For Safe Handling Avoid all contact with skin, eyes, or clothing.
Conditions For Safe Storage, Including Any Incompatibilities
Storage conditions: Keep container tightly closed. Store in a cool, well-ventilated place.
Specific End Use(s) Pharmaceutical.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Control Parameters
No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.
Exposure Controls
Appropriate engineering controls: Provide adequate ventilation.
Personal protective equipment: Avoid all unnecessary exposure.
Hand protection: Protective gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: None required under normal product handling conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
Information On Basic Physical And Chemical Properties
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Aqueous solution</td>
</tr>
<tr>
<td>Odour</td>
<td>None</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
</tr>
</tbody>
</table>
SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable at ambient temperature and under normal conditions of use.
Chemical Stability: Stable at standard temperature and pressure.
Possibility Of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions To Avoid: Extremely high or low temperatures.
Incompatible Materials: Strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects - Product

Acute toxicity: Not classified
LD50 and LC50 Data: Not available
Skin corrosion/irritation: Not classified (pH: 5 – 6).
Serious eye damage/irritation: Not classified (pH: 5 – 6).
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Teratogenicity: Not available
Carcinogenicity: Not classified
Specific target organ toxicity (repeated exposure): Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: None expected under normal conditions of use.
Symptoms/injuries after skin contact: Repeated or prolonged skin contact may cause dermatitis and defatting.
Symptoms/injuries after eye contact: May cause slight irritation.
Symptoms/injuries after ingestion: Pharmaceutical anticoagulant. May be harmful if ingested.

Information On Toxicological Effects - Ingredient(s)

LD50 and LC50 Data: Not available
SECTION 12: ECOLOGICAL INFORMATION

Toxicity
Ecology - general: No known ecological damage caused by this product.
Persistence And Degradability Not available
Bioaccumulative Potential Not available
Mobility In Soil Not available
Other Adverse Effects Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

In accordance with ICAO/IATA/DOT/TDG

UN Number Not regulated for transport
UN Proper Shipping Name Not regulated for transport
Additional information Not regulated for transport
Overland transport Not regulated for transport
Transport by sea Not regulated for transport
Air transport Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal regulations
Water (7732-18-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State regulations
Neither this product nor its chemical components appear on any US state lists.

Canadian regulations

<table>
<thead>
<tr>
<th>CPDA-1</th>
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<td></td>
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION

Indication of Changes : Revision date 11/05/2013
Data sources : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible For The Preparation Of This Document:
Fenwal Inc.
Phone Number: 847-550-2300

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS