Safety Data Sheet

Section 1: Identification

1.1 Product Identifiers
Product Name: Encon Hydrosep® Potable Water Additive
Other Names: Encon Hydrosep® Potable Eyewash Station Preservative
Ingredients: Purified Water, and Chlorhexidine Digluconate
In Order By: Descending Order of Concentration
Emergency Contact: Poison Control Center 1 800 222 1222

Section 2: Hazards Identification

2.1 GHS Classification
Not classified

2.2 GHS Label Elements
No labeling applicable

2.3 Other Hazards
No additional information available

Section 3: Composition

3.1 Mixtures

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Classification</th>
<th>Concentration</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Gluconic acid, compound with N,N''-bis(4chlorophenyl)-3,12-dimino-2,4,11,13tetraaza</td>
<td>Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 1; H302, H410</td>
<td>5300 ppm (0.53%)</td>
<td>None when used as directed. Mild irritation may occur on contact with large amounts of evaporated or condensed product. Inhalation danger on thermal decomposition of concentrated/evaporated product.</td>
</tr>
<tr>
<td>CAS 18472-51-0</td>
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<tr>
<td>EC 242-354-0</td>
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<tr>
<td>C22H30Cl2N10·2C6H12O7</td>
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</tr>
</tbody>
</table>

Section 4: First-Aid Measures

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available

Section 5: Fire-Fighting Measures
5.1 Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

5.3 Advice for firefighters
Wear self-contained breathing apparatus for fire fighting if necessary.

5.4 Further information
No data available

Section 6: Accidental Release Measures
6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
For personal protection see section 8.

6.2 Environmental precautions
Do not allow material to be released to the environment without proper governmental permits.
Do not allow product to reach sewage system or any water course in significant volumes.
Do not allow to penetrate the ground/soil in significant volumes.
Prevent further leakage or spillage if safe to do so.
Do not let product enter drains.
Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Keep in suitable, closed containers for disposal.
No secondary hazard prevention measures required.

6.4 Reference to other sections
For disposal see section 13.

Section 7: Handling & Storage
7.1 Precautions for safe handling
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Recommended storage temperature: 2 - 38 °C
Light sensitive.
7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection)

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)
Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by and industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical & Chemical Properties

9.1 Information on basic physical and chemical properties
a) Appearance Form: liquid
b) Odour: no data available
c) Odour: Threshold no data available
d) pH: 5.5-7.5
e) Melting point/freezing point: no data available
f) Initial boiling point and boiling range: no data available
g) Flash point: no data available
h) Evaporation rate: no data available
i) Flammability (solid, gas): no data available
j) Upper/lower flammability or explosive limits: no data available
k) Vapour pressure: no data available
l) Vapour density: no data available
m) Relative density: 0.98-1.01 g/cm³ at 23 °C
n) Water solubility: no data available
o) Partition coefficient: n-octanol/ water: no data available
p) Auto-ignition temperature: no data available
q) Decomposition temperature: no data available
r) Viscosity: no data available
s) Explosive properties: no data available
t) Oxidizing properties: no data available

9.2 Other safety information
No data available

Section 10: Stability & Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - no data available
In the event of fire: see section 5
Section 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available
Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

12.1 Toxicity

| Chlorhexidine Gluconate | 18472-51-0 | EC50 – 0.087 mg/l 96h | Daphnia |

MSD-V027 NewPig
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
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

Section 13: Disposal Considerations

13.1 Waste treatment methods
Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, and EU Member States.

Contaminated packaging
Dispose of as unused product.

Section 14: Transportation Information

US DOT, IATA, IMO:
U.S. Department of Transpiration (DOT) shipping regulations: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows:

14.1 Proper shipping name: Not Regulated

14.2 Hazard class number and description: N/A

14.3 UN identification number: N/A

14.4 Packing group: N/A

14.5 DOT label(s) required: N/A

14.6 Marine pollutant: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.7 Special precautions for user: None

14.8 International Transpiration:
International Air Transport Association Shipping Information (IATA): This product is not considered as dangerous goods.
International Maritime Organization Shipping Information (IMO): This product is not considered as dangerous goods.

Section 15: Regulatory Information

15.1 United States Regulations:
U.S. SARA Reporting Requirements: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity (RQ): None

U.S. TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulation: None

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): Ingredients within this product are not on the Proposition 65 Lists.

15.2 Canadian Regulations
Canadian SDL/NDSL Inventory Status: The components of this product are on the DSL Inventory, or are exempted from listing.

Other Canadian Regulations: Not applicable.

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Canadian WHIMIS Classification and Symbols: Complies with WHIMIS 2015.

Section 16: Other Information

HMIS Rating
Health hazard: 1
Chronic Health Hazard:
Flammability: 0
Physical Hazard 0

NFPA Rating
Health hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0

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