### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**
E-Brite 5.0 Cu-pHA

**Details of the supplier of the safety data sheet**
Electrochemical Products Inc.
17000 West Lincoln Ave
New Berlin, WI 53151
Phone: 262-786-9330
Emergency Phone #: NCEC (#EPI-29003) +1 202 464 2554, +44 1865 407333
E-mail: us-sales@epi.com
www.epi.com
Fax: 262-786-9403

### Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**
Skin Corrosion/Irritation - Category 1
Serious Eye Damage/Eye Irritation - Category 1

**GHS Label Elements**
Symbol(s)

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Hazard Statement(s)</th>
<th>Precautionary Statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger</td>
<td>Causes severe skin burns and eye damage.</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Do not breathe dusts or mists.</td>
</tr>
</tbody>
</table>

**Response**
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
Specific treatment (see label).

**Storage**
Store locked up.
Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>80-90</td>
</tr>
<tr>
<td>584-08-7</td>
<td>Carbonic acid, dipotassium salt</td>
<td>15-25</td>
</tr>
</tbody>
</table>

### Section 4 - FIRST AID MEASURES

**Inhalation**
Immediately move victim to fresh air. If symptoms persist, seek medical attention.

**Skin**
Wash skin with soap and water. If irritation persists get medical attention.

**Eyes**
Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

**Ingestion**
If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give several glasses of water. Never give anything by mouth to a victim who is unconscious or is having convulsions.

### Section 5 - FIRE FIGHTING MEASURES

**Extinguishing Media**
**Suitable Extinguishing Media**
Use methods for the surrounding fire.

**Unsuitable Extinguishing Media**
None identified.

**Specific hazards arising from the chemical**
None identified.

**Hazardous Combustion Products**
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### Section 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**
Wear appropriate personal protective equipment. Isolate area. Keep unnecessary personnel away.

**Methods and Materials for Containment and Cleaning Up**
Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

### Section 7 - HANDLING AND STORAGE

**Precautions for Safe Handling**
Wash thoroughly after handling. Do not reuse the empty container.
Conditions for Safe Storage, Including any Incompatibilities
Store locked up.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)
There are no biological limit values for any of this product's components.

Appropriate engineering controls
Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Wear chemical goggles; face shield (if splashing is possible).

Skin Protection
Use impervious gloves. Use of protective coveralls and long sleeves is recommended. Use of an impervious apron is recommended.

Respiratory Protection
If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

Glove Recommendations
Use impervious gloves.

Protective Materials
Eye wash fountain and emergency showers are recommended.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Solution</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>(Approx. equal to Water)</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
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<tr>
<td>Color</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>11.8 - 12.4</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>218 °F (103 °C)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>32 °F (0 °C)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
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</table>
Section 10 - STABILITY AND REACTIVITY

Reactivity
Will not occur.

Chemical Stability
This is a stable material.

Possibility of Hazardous Reactions
None.

Conditions to Avoid
None.

Incompatible Materials
This product may react with strong acids or oxidizing agents.

Hazardous decomposition products
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Section 11 - TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity
Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:

Water (7732-18-5)
Oral LD50 Rat >90 mL/kg

Carbonic acid, dipotassium salt (584-08-7)
Oral LD50 Rat 1870 mg/kg

Product Toxicity Data
Acute Toxicity Estimate

<table>
<thead>
<tr>
<th>Route</th>
<th>Estimate</th>
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<tbody>
<tr>
<td>Dermal</td>
<td>0 mg/kg</td>
</tr>
<tr>
<td>Inhalation - Vapor</td>
<td>0 mg/L</td>
</tr>
<tr>
<td>Oral</td>
<td>&gt; 2000 mg/kg</td>
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</tbody>
</table>

Immediate Effects
No information on significant adverse effects.
Delayed Effects
No information on significant adverse effects.

Component Carcinogenicity
None of this product’s components are listed by ACGIH, IARC, NTP, DFG or OSHA

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity
No LOLI ecotoxicity data are available for this product's components

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose of waste material in accordance with all applicable Federal, State or provincial and local environmental regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Component Waste Numbers
The U.S. EPA has not published waste numbers for this product's components

Section 14 - TRANSPORT INFORMATION

US DOT Information:
No Classification assigned.

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations
None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: no Chronic Health: no Fire: no Pressure: no Reactivity: no
Not listed under California Proposition 65

Component Analysis - Inventory
Water (7732-18-5)

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<tbody>
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<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
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Other Information

Disclaimer:
Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.