Section 1: Product and Company Identification

Product Identifier: EPOCAL Calibration Fluid
24-hour Emergency Telephone No. 1-877-308-8293

Section 2: Composition/ Information on Ingredients

Product is a solution that is 98% deionized water

Hazardous Ingredients | CAS No. | OSHA PEL | ACGIH TLV-TWA | MOL TWAEV | % w/w
---|---|---|---|---|---
Sodium Chloride | 7647-14-5 | not listed | not listed | not listed | 0.55
Sodium Bicarbonate | 144-55-8 | not listed | not listed | not listed | 0.17

Contains no hazardous ingredients with concentration greater than 1% or carcinogens with concentration greater than 0.1%

Section 3: Hazards Identification

Acute Health Effects: Liquid may irritate the eyes and skin. Not specifically toxic.
Carcinogenicity (of product): NTP: not listed
IARC: not listed
OSHA: not listed

Chronic Health Effects: Chronic health effects are not expected with intended use of the product.

Section 4: First Aid Measures

Eyes: Remove contact lenses. Flush with cool water for at least fifteen minutes while holding eyelids open. Seek medical attention immediately.
Skin: Remove and isolate contaminated clothing; wash skin immediately with soap and water. Flush with cool water for at least fifteen minutes. If irritation persists, seek medical attention.
Ingestion: Give large quantities of water and induce vomiting. Do not make an unconscious person vomit. Seek medical attention.

Section 5: Fire & Explosion Data

Flammability: Not flammable
Extinguishing Media: not applicable
Class: not applicable
Flashpoint (°C) and Method: not applicable
Upper Flammable Limit: not applicable
Lower Flammable Limit: not applicable
Autoignition Temperature (°C): not applicable
Hazardous Combustion Products: not available
Explosion Data: not applicable
PPE: See Firefighting Procedures
Sensitivity to Static Discharge: not applicable

NFPA Data (Estimated ratings) Fire: 0 Health: 1 Reactivity: 0
Firefighting Procedure: not applicable

Section 6: Accidental Release Measures

Clean up liquid spills from product containers with an absorbent pad, paper towel, or equivalent. Wear lightweight nitrile gloves (or equivalent) and safety glasses. Dispose of waste according to federal, state, provincial and local environmental requirements.

Section 7: Handling and Storage

Avoid prolonged or repeated contact with skin or eyes.
Store material away from temperature extremes.
### Section 8: Personal Protection/Exposure Controls

**Respiratory Protection:** Not needed in normal use.

**Protective Clothing:** Wear gloves made from impervious materials such as nitrile, neoprene, or equivalent.

**Eye:** Wear chemical safety glasses or goggles.

**Ventilation:** Local exhaust and mechanical ventilation, as required, to reduce exposure levels.

**Hygienic Practices:** After handling, wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. Eye wash facilities and a safety shower should be available.

### Section 9: Physical & Chemical Properties

Physical properties of this product are expected to be essentially similar to a salt water mixture.

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Odour and Appearance</th>
<th>Odour Threshold (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Colorless liquid</td>
<td>not available</td>
</tr>
<tr>
<td>Vapour Pressure (mmHg)</td>
<td>Vapour Density</td>
<td>not available</td>
</tr>
<tr>
<td>not available</td>
<td>Evap. Rate</td>
<td>not available</td>
</tr>
<tr>
<td>not available</td>
<td>Boiling Point (°C)</td>
<td>not available</td>
</tr>
<tr>
<td>not available</td>
<td>Freezing Point (°C)</td>
<td>not available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>pH</th>
<th>Specific Gravity (H₂O = 1)</th>
<th>Coeff. Water/Oil Dist.</th>
<th>% Volatile</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.4</td>
<td>not available</td>
<td>not available</td>
<td>not available</td>
</tr>
</tbody>
</table>

### Section 10: Stability and Reactivity

**Stability:** Stable under normal conditions of use and quantity.

**Hazardous Polymerization:** Will not normally occur.

**Incompatibility:** None determined.

### Section 11: Toxicological Information

<table>
<thead>
<tr>
<th>LD50 of Ingredients (Specify Species)</th>
<th>LC50 of Ingredients (Specify Species)</th>
<th>TDLo - Lowest published toxic dose</th>
<th>Routes of entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride 3 mg/kg (rodent-rat)</td>
<td>&gt;42 g/m³/1H (rodent-rat)</td>
<td>0.04 mg/kg (rodent-rabbit)</td>
<td>oral, inhalation, subcutaneous</td>
</tr>
<tr>
<td>Sodium Bicarbonate 3,360 mg/kg (rodent-mouse)</td>
<td>&gt;900 mg/m³ (rodent-rat)</td>
<td>20 mg/kg/5D (human)</td>
<td>oral, inhalation</td>
</tr>
</tbody>
</table>

### Section 12: Ecological Information

Ecological testing has not been reported for this product.

### Section 13: Disposal Considerations

Typical releases will most likely be in the microlitre range. Dispose of container and unused contents in accordance with applicable federal, state, provincial or local regulations.

### Section 14: Transport Information

**Shipping Name:** Not Regulated by DOT (US), TDG (Canada) or IATA

### Section 15: Regulatory Information

This MSDS meets requirements of OSHA: 29 CFR 1910.1200

**EPA:** The ingredients in this product are listed on the TSCA inventory of chemical substances.

**WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

### Section 16: Other Information/Comments

This product has been classified according to the hazard criteria of the Canadian CPR (Controlled Products Regulations) and the MSDS contains all the information required by the CPR and according to ANSI Standard Z400.1-2004.

**Comments:**

Date prepared: April 12, 2013

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Prepared by: WESA Inc., 3108 Carp Road, Box 430, Carp, Ontario, Canada K0A 1L0. Phone: (613) 839-3053

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