KOSTChill™ EG
A fully formulated virgin ethylene glycol based heat transfer fluid containing an inhibitor and additive package that controls the corrosion of metals; helps prevent scaling and the fouling of heat transfer surfaces, and buffers the pH to maintain it in the optimum operating range. KOSTChill™ EG has a recommended operating temperature range of -60° F to 250° F when mixed with appropriate water concentrations. It provides both freeze and burst protection for systems exposed to low temperatures.

Benefits:
- Fluid is dyed fluorescent pink for leak detection purposes
- Silicate free
- Meets the Heat Transfer Fluid ASTM D8039 requirements standards for multi-metal corrosion protection and for D1881, foam tendency testing for ready-to-use heat transfer fluids
- Available in dilutions ranging from 30% to 70%
- Exceptional low-temperature pumpability
- Operating temperature of -60° F to 250° F

KOSTChill™ EG inhibited virgin ethylene glycol-based heat transfer fluid is manufactured with the highest quality raw materials. Each KOST® USA fluid is specially formulated with a state-of-the-art inhibitor package that prevents corrosion, which minimizes fluid expense and extends fluid life. Please note that we recommend diluting only with RO (reverse osmosis) or distilled water to maintain corrosion protection.

Typical Applications:
- Chemical Processing
- Thermal Energy Storage
- Closed-Loop Water Based HVAC Systems
- Sidewalk and Playing Field Subsurface Heating
- Ground Source Heat Pumps
- Ice Skating Rinks
- Computer Cooling Systems
- Cooling Water for Gas Turbine Power Systems
- Boiler Systems
- Power Generation Systems
- Cooling Towers and Chillers
No matter the heating and cooling needs, KOST® USA’s family of glycol-based heat transfer fluids offers a solution that will exceed your requirements.

At KOST® USA, we can customize products to meet all engineering requirements where glycol-based products are required.

It’s more than business... It’s personal.

KOST® USA, Inc. is the largest family-owned manufacturer, supplier, and marketer of antifreeze and functional fluids in the United States. Founded in 1985, our headquarters and manufacturing facility is strategically located in Cincinnati, Ohio. We build our customers’ brands and our brands through high-performance products and superior service. Committed to quality, KOST USA is ISO 9001:2015 Certified, ASTM Standards Lab, Global Sourcing, NSF, GHS, and FM Approved.

**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>KOSTChill™ EG Concentrate</th>
<th>KOSTChill™ EG 70%</th>
<th>KOSTChill™ EG 60%</th>
<th>KOSTChill™ EG 50%</th>
<th>KOSTChill™ EG 40%</th>
<th>KOSTChill™ EG 30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol, % Weight</td>
<td>96%</td>
<td>70%</td>
<td>60%</td>
<td>50%</td>
<td>40%</td>
<td>30%</td>
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<tr>
<td>Corrosion Inhibitors and Water</td>
<td>4%</td>
<td>30%</td>
<td>40%</td>
<td>50%</td>
<td>60%</td>
<td>70%</td>
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<tr>
<td>Color</td>
<td>Pink</td>
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<tr>
<td>ASTM Corrosion Specification</td>
<td>D8039</td>
<td>D8039</td>
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<tr>
<td>pH of Solution</td>
<td>9.2-10.6</td>
<td>9.2-10.6</td>
<td>9.2-10.6</td>
<td>9.2-10.6</td>
<td>9.2-10.6</td>
<td>9.2-10.6</td>
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<tr>
<td>Reserve Alkalinity, ml</td>
<td>Refer to Dilution*</td>
<td>7.4 min</td>
<td>6.3 min</td>
<td>5.3 min</td>
<td>4.2 min</td>
<td>3.2 min</td>
</tr>
<tr>
<td>Pounds per Gallon (68°F)</td>
<td>9.41</td>
<td>9.19</td>
<td>9.09</td>
<td>8.97</td>
<td>8.85</td>
<td>8.72</td>
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<tr>
<td>Boiling Point °F (C°)</td>
<td>Refer to Dilution*</td>
<td>230° (10°)</td>
<td>225° (10°)</td>
<td>222° (10°)</td>
<td>219° (10°)</td>
<td>216° (10°)</td>
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<tr>
<td>Freeze Point °F (C°)</td>
<td>Refer to Dilution*</td>
<td>Below -84° (-64°)</td>
<td>-54° (-48°)</td>
<td>-34° (-36°)</td>
<td>-13° (-25°)</td>
<td>4° (-15°)</td>
</tr>
</tbody>
</table>

**Shipping Information**

Slight changes to the weight of our packaging materials may effect the gross weight of our finished goods.

**Product Information**

- **Part Number**
  - Bulk: 10012, 11351, 11349, 10017, 10044, 10052
  - Pail: 10014, 11351, 11349, 10017, 10044, 10052
  - Drum: 10015, 11351, 11349, 10017, 10044, 10052
  - Tote: 10010, 11351, 11349, 10017, 10044, 10052

- **UPC Code**
  - Pail: 652138102035, N/A, N/A, N/A, N/A, N/A
  - Drum: 652138102028, N/A, N/A, N/A, N/A, N/A
  - Tote: 652138102042, N/A, N/A, N/A, N/A, N/A

- **Gross Container Weight**
  - Pail: 50#, N/A, N/A, N/A, N/A, N/A
  - Drum: 52#, N/A, N/A, N/A, N/A, N/A
  - Tote: 265#, N/A, N/A, N/A, N/A, N/A

- **Gross Pallet Weight**
  - Pail: 105#, N/A, N/A, N/A, N/A, N/A
  - Drum: 219#, N/A, N/A, N/A, N/A, N/A
  - Tote: 265#, N/A, N/A, N/A, N/A, N/A

- **Quantity Per Pallet**
  - Pail: 36
  - Drum: 4
  - Tote: 1

- **Volume Per Package**
  - Pail: 5 Gallons, 55 Gallons
  - Drum: 275 Gallons

- **Package Dimensions**
  - Pail: 12.5" x 15" H, 23.5"D x 34.5" H, 49" x 40" x 46"
  - Drum: 49" x 41" x 48"
  - Tote: 48" x 40" x 39.5"

**KOSTChill™ EG is also available in these concentrations:** 35/65, 45/55, 55/45, 65/35, dilutions. The pH of Concentrate cannot be accurately measured due to the lack of water needed to obtain a reliable pH measurement. When diluting any KOSTChill™ products, it is recommended that RO or distilled water is used.

All reasonable care has been taken to ensure that the information herein is accurate as of the date of printing. Freedom to use any patent owned by KOST® USA, Inc. or others is not to be inferred from any statement contained herein. The test results listed are typical properties only. Formula and blending changes may result in slight color and appearance changes. SDS can be found at kostusa.com