Thermal Charge® EG is an inhibited ethylene glycol-based heat transfer fluid widely used for process heating and cooling applications, for freeze and burst protection of pipes, and for various ice-making, deicing, defrosting, and dehumidifying applications. This product is not intended for use in vehicle or stationary engine applications.

**DESCRIPTION**

Thermal Charge® EG is a heat transfer fluid that meets or exceeds the requirements of NFPA 30 and ASME B31.1. It is fully compatible with carbon steel and stainless steel in copper, brass, bronze, and aluminum in the form of IMC. This product is designed for use in closed-loop systems with copper, brass, bronze, and aluminum.

**PROPERTIES**

- **Odor:** Not Offensive
- **Color:** Pink

**FREEZE/BURST PROTECTION CHART**

<table>
<thead>
<tr>
<th>Weight % Thermal Charge EG Required</th>
<th>FOR FREEZE PROTECTION</th>
<th>FOR BURST PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(°F)</td>
<td>(°C)</td>
</tr>
<tr>
<td>10/1-2</td>
<td>27%</td>
<td>18%</td>
</tr>
<tr>
<td>10/1-18</td>
<td>36%</td>
<td>24%</td>
</tr>
<tr>
<td>10/1-23</td>
<td>42%</td>
<td>28%</td>
</tr>
<tr>
<td>20/2-29</td>
<td>47%</td>
<td>32%</td>
</tr>
<tr>
<td>30/3-34</td>
<td>50%</td>
<td>32%</td>
</tr>
<tr>
<td>39/4-40</td>
<td>56%</td>
<td>32%</td>
</tr>
<tr>
<td>48/5-51</td>
<td>60%</td>
<td>32%</td>
</tr>
<tr>
<td>55/6-61</td>
<td>64%</td>
<td>32%</td>
</tr>
<tr>
<td>60%</td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
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<tr>
<td>70%</td>
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</tr>
<tr>
<td>100%</td>
<td></td>
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</tr>
</tbody>
</table>

**PRODUCT AVAILABILITY**

- **Bulk**
  - TFA030
  - TFAW30
  - TFA040
  - TFAW40
  - TFAW50
  - TFA050
  - TFA060
  - TFAW60
  - TFA070
  - TFA000

- **275 Gallon Tote**
  - TFA038
  - TFAW38
  - TFA048
  - TFAW48
  - TFAW58
  - TFA058
  - TFA068
  - TFAW68
  - TFA078
  - TFA008

- **55 Gallon Drum**
  - TFA031
  - TFAW31
  - TFA041
  - TFAW41
  - TFAW51
  - TFA051
  - TFA061
  - TFAW61
  - TFA071
  - TFA001

- **5 Gallon Pail**
  - TFAW55
  - -
  - -
  - -
  - -
  - TFA005

**SUITABLE APPLICATIONS**

- Closed-loop water based HVAC
- Ice-making & skating rink systems
- Cooling towers and chillers
- Thermal energy storage
- Fire sprinkler systems
- Secondary loop refrigeration
- Gas dehydration units
- Snow melting systems
- Ground source heat pumps
- Trace line insulation & heating
- Water bath heaters
- Ground freeze protection
- Water bath heaters