WARNING: PROTECT yourself and others. Read and understand this information.
FUMES AND GASES can be hazardous to your health.
HEAT RAYS (INFRARED RADIATION) from flame or hot metal can injure eyes.

• Before use, read and understand the manufacturer’s instructions, Material Safety Data Sheet (MSDSs), and your employer’s safety practices.
• Keep your head out of fumes.
• Use enough ventilation, exhaust at the flame, or both, to keep fumes and gases from your breathing zone and the general area.
• Wear correct eye, ear, and body protection.

STATEMENT OF LIABILITY — DISCLAIMER
Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. J.W. Harris Co., Inc. and its affiliates shall have no liability in respect thereof.

NOMINAL COMPOSITION:

<table>
<thead>
<tr>
<th>Element</th>
<th>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>3.4-3.8 %</td>
</tr>
<tr>
<td>Tin</td>
<td>Remainder</td>
</tr>
</tbody>
</table>

PHYSICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Bright Silver</td>
</tr>
<tr>
<td>Solidus</td>
<td>430°F (221°C)</td>
</tr>
<tr>
<td>Liquidus</td>
<td>430°F (221°C)</td>
</tr>
<tr>
<td>Electrical Conductivity</td>
<td>16.4</td>
</tr>
<tr>
<td>Elongation</td>
<td>48%</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>14,000 psi</td>
</tr>
<tr>
<td>Shear Strength</td>
<td>10,600 psi</td>
</tr>
</tbody>
</table>
HARRIS STAY BRITE® SILVER BEARING SOLDER

SOLDERING PROPERTIES:
Stay Brite Silver Bearing Solder has excellent affinity to bond with all of the ferrous and non-ferrous alloys (including stainless steel, nickel, copper, brass, etc.). Has high elongation for sound metal joints and vibration applications.

AVAILABLE FORMS:
Standard wire diameters, Preformed rings, Paste

SPECIFICATION / CERTIFICATIONS COMPLIANCE:
NSF 51
Federal Spec. QQ-S-571E, Class Sn 96 with exception to QPL para. 3.1; J-STD-006, Sn96Ag04A

RECOMMENDED FLUX:
Stay Clean Paste Flux, Stay Clean Liquid Flux (used with 4”or larger copper tubing also stainless steels) Bridgit Water Soluble Paste Flux

J.W. Harris Co., Inc. Fax 513-754-8778
4501 Quality Place Tel. 513-754-2000
Mason, Ohio 45040 800-733-4533

All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.
HARRIS STAY BRITE® #8 SILVER BEARING SOLDER

WARNING: PROTECT yourself and others. Read and understand this information.
FUMES AND GASES can be hazardous to your health.
HEAT RAYS (INFRARED RADIATION) from flame or hot metal can injure eyes.

• Before use, read and understand the manufacturer’s instructions, Material Safety Data Sheet (MSDSs), and your employer's safety practices.
• Keep your head out of fumes.
• Use enough ventilation, exhaust at the flame, or both, to keep fumes and gases from your breathing zone and the general area.
• Wear correct eye, ear, and body protection.

STATEMENT OF LIABILITY — DISCLAIMER
Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. J.W. Harris Co., Inc. and its affiliates shall have no liability in respect thereof.

NOMINAL COMPOSITION:
Silver                                      5.5-6.0 %
Tin                                                Remainder

PHYSICAL PROPERTIES: (95Sn-5Ag)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Bright Shiny Silver</td>
</tr>
<tr>
<td>Solidus</td>
<td>430 °F (221°C)</td>
</tr>
<tr>
<td>Liquidus</td>
<td>535 °F (279°C)</td>
</tr>
<tr>
<td>Electrical Conductivity</td>
<td>16.6 % IACS AT 68 °F(20°C)</td>
</tr>
<tr>
<td>Elongation in 2”</td>
<td>49%</td>
</tr>
<tr>
<td>Tensile Strength ( Cu to Cu)</td>
<td>14,000 psi</td>
</tr>
<tr>
<td>Shear Strength ( Cu to Cu)</td>
<td>10,600 psi</td>
</tr>
<tr>
<td>Electrical resistivity</td>
<td>104 nW·m at 32 °F (0°C)</td>
</tr>
<tr>
<td>Temperature coefficient</td>
<td>(32°F/0°C to 212°F/100°C)</td>
</tr>
<tr>
<td>of electrical resistivity</td>
<td>42.3 pW·m per K</td>
</tr>
</tbody>
</table>

All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.

Additional information available at our web site: www.jwharris.com

TECHNICAL SPECIFICATION SHEET

ISO 9002
Cert. No. 31598
HARRIS STAY BRITE® #8 SILVER BEARING SOLDER

SOLDERING PROPERTIES:
Stay Brite #8 is recommended for use where regular Stay Brite is found to be too fluid. The 105°F difference in melt and flow point is desirable where the part fit-up requires an alloy with some plastic range.

AVAILABLE FORMS:
Standard wire diameters, Preformed rings

SPECIFICATION COMPLIANCE:
J.W. Harris Internal

RECOMMENDED FLUX:
Stay Clean Paste Flux, Stay Clean Liquid Flux (used with 4”or larger copper tubing also stainless steels) Bridgit Water Soluble Paste Flux

J.W. Harris Co., Inc. Fax 513-754-8778
4501 Quality Place Tel. 513-754-2000
Mason, Ohio 45040 800-733-4533

All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.

Additional information available at our web site: www.jwharris.com

Page 2 of 2