Material Safety Data Sheet  Quick Braid

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING.

1.1 Identification of substance (as per label): Quick Braid  Desoldering Braid.

Other means of Identification:
- Quick Braid  Desoldering Braid.

1.2 Company Name: Easy Braid Co.
- Contact Name: James Strempke
- Full Address: 11543 K-tel Drive
- Minneapolis, MN 55343
- Telephone Number: 952-929-3040
- Fax Number: 952-929-2765
- Emergency Number: 

Part Numbers: Q-A-5, Q-A-5AS, Q-A-10, Q-A-10AS, Q-A-25, Q-A-50, Q-A-100, Q-A-500, Q-B-5, Q-B-5AS, Q-B-10, Q-B-10AS, Q-B-25, Q-B-50, Q-B-100, Q-B-500, Q-C-5, Q-C-5AS, Q-C-10, Q-C10AS, Q-C-25, Q-C-50, Q-C-100, Q-C-500, Q-D-5, Q-D-5AS, Q-D-10, Q-D-10AS, Q-D-25, Q-D-50, Q-D-100, Q-D-500, Q-E-5, Q-E-5AS, Q-E-10, Q-E-10AS, Q-E-25, Q-E-50, Q-E-100, Q-E-500

2. COMPOSITION / IDENTIFICATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>INGREDIENTS</th>
<th>%</th>
<th>SYMBOLS</th>
<th>RISK</th>
<th>PHASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>7440-50-8</td>
<td>Pure Copper Metal</td>
<td>99.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8050-09-7</td>
<td>Modified Rosin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.1 Substances presenting a health hazard:
- The 0.1% Rosin may cause allergic reactions: does not contain hazardous ingredients.

2.2 Exposure Limit Values:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>ACGIH</td>
</tr>
<tr>
<td>-fume</td>
<td>0.1mg/m3</td>
</tr>
<tr>
<td>-dust</td>
<td>1.0mg/m3</td>
</tr>
</tbody>
</table>

2.3 Is substance is confidential - indicate chemical nature to ensure safe handling
- Rosin flux may cause an allergic reaction, resulting in a skin rash.
- Clean hands after use.

3. HAZARDS IDENTIFICATION

3.1 Critical Hazards:

<table>
<thead>
<tr>
<th>Hazard Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>insign Duncan</td>
</tr>
<tr>
<td>1</td>
<td>slight</td>
</tr>
<tr>
<td>2</td>
<td>moderate</td>
</tr>
<tr>
<td>3</td>
<td>high</td>
</tr>
<tr>
<td>4</td>
<td>extreme</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Rosin flux may cause an allergic reaction, resulting in a skin rash.
Clean hands after use.

3.2 Critical Hazards to Man & Environment:

Adverse Human Health Effects and Symptoms:

4. FIRST AID MEASURE

4.1 Skin Contact:
- First Aid: Wash skin with copious amounts of water.
- Symptoms: Rash.
- Effects: 
- Delayed Effects:
- Medical Attention Needed: 

Eye Contact:
- First Aid: Remove metal fragments and flush eyes with water.
- Symptoms: 
- Effects:
- Delayed Effects:
- Professional Attention Needed: 

Inhalation:
- First Aid: Remove from fresh air. | If breathing has stopped, administer CPR.  |
- Symptoms: | Induce vomiting.  |
- Effects: |  |
- Delayed Effects:
- Professional Attention Needed: 

Ingestion:
- First Aid: Remove to fresh air. | If breathing has stopped, administer CPR.  |
- Symptoms: | Induce vomiting.  |
- Effects: |  |
- Delayed Effects:
- Professional Attention Needed: 


http://www.techni-tool.com
### 5. FIRE FIGHTING MEASURES

**5.1 Suitable Extinguishing Media:**
- Powder, Dolomite, Sodium Chloride or Graphite.

**5.2 Unsuitable Extinguishing Media:**
- Do not use water.
- Copper reacts violently with C2H2, NH4NO3, Bromates, Chlorates, Iodates, C12, C1F2, Ethylene Oxide, F2, H2O2, Hydrazine monoitrate, Hydrozoic acid, H2S, K2O2, NaN3, Na2O2, CUN03, S.

**5.3 Exposure Hazards:**
- Resulting Gases:

**5.4 Combustion Products:**
- Carbon Monoxide, Aliphatic Aldehydes, and Acids

**5.5 Protective Equipment For Firefighters:**
- Not Needed

### 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal Precautions:**
- Ignition sources?
- Provision for sufficient ventilation?
- Control of dust?
- Prevention of skin contact?
- Prevention of eye contact?

**Environmental Precautions:**
- When subjected to temperatures over 180°F, flux fumes should be vented.

**6.2 Methods for Cleaning Up:**
- Vacuum or sweep up and dispose of as a non-cumbustable metal.
- Gloves not normally required. When clipping short lengths, protective eyewear is recommended.

**6.3 Materials not to be Used for Cleaning Up:**
- See Section 5, of this document.

### 7. HANDLING & STORAGE

**7.1 Handling**
- General Rules:
- Technical Precautions for Safe Handling:
- Measures necessary to prevent airborne levels of chemical being generated as a result of handling.

**Recommended Storage Conditions:**
- List incompatible materials
- Quantity Limits for storage
- Special Requirements for proper storage of chemical

**7.2 Store in cool, dry environment for functional purposes.**
- None required.

**If product is exposed to temperatures are above 180°F, use local ventilation.**

**See sections 5 & 2 of this document.**

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 System Design**
- General mechanical or local hood. Ventilation is recommended for applications where the product will exceed 180°F.

**Control Parameters**
- Limit values or biological standards:
- Recommended Monitoring Procedures:

**8.2 Personal Protection**
- Respiratory Protection:
- Hand Protection:
- Eye Protection:
- Skin Protection:

**8.4 Gloves may be used if resin is a skin irritant.**
- Eye protection should be worn when clipping short lengths.
- See hand protection.

**8.5 CEN standards**
- Carcinogens < 0.1%
## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Appearance:
Copper metallic braid with fine crystalline resin layer.

### 9.2 Odor:
None.

### 9.3 pH:
N/A

### 9.4 Boiling Point:
1981 degrees F

### 9.5 Melting Point:
1949 degrees F

### 9.6 Flash Point:
No flash

### 9.7 Flammability (solid gas):
None

### 9.8 Autoflammability:
None

### 9.9 Explosive Properties:
None

### 9.10 Oxidizing Properties:
Copper can oxidize if prolonged exposure in moist conditions.

### 9.11 Vapor Pressure:
N/A

### 9.12 Relative Density:
N/A

### 9.13 Solubility:
- Water Solubility: Negligible
- Fat Solubility: Unknown

### 9.14 Other Data:
- Safety Parameters: N/A
- Vapor Density: N/A
- Miscibility: N/A
- Evaporation rate: N/A
- Conductivity: Copper is very conductive.
- Viscosity: A solid

## 10. STABILITY AND REACTIVITY

### 10.1 Stability:
Stable

### 10.2 Conditions to avoid:
- Effects

### 10.3 Materials to Avoid:
- Effects

### 10.4 Hazardous Decomposition products:
Hazardous environment can occur in the presence of excessive heat and/or chemicals as listed in Section 5, this document.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Skin Exposure:
- Symptoms:
- Immediate Effects:
- Delayed Effects:
- Chronic Effects:
- Special Health Effects:

### 11.2 Eye Contact:
- Symptoms:
- Immediate Effects:
- Delayed Effects:
- Chronic Effects:

### 11.3 Special Health Effects:
Inhalation:
- Symptoms:
- Immediate Effects:
- Delayed Effects:
- Chronic Effects:
- Special Health Effects:

### 11.4 Ingestion:
- Symptoms:
- Immediate Effects:
- Delayed Effects:
- Chronic Effects:
- Special Health Effects:

Possible allergic rash reaction. See Section 4, this document.

Possible danger of metal fragments. See Section 4, this document.

If product is exposed to temperatures in excess of 180°F, local ventilation must be used.

May be moderately irritating to stomach lining. Induce vomiting if conscious.

## 12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>12.1 Mobility</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Distribution to environmental compartments</td>
<td></td>
</tr>
<tr>
<td>-Surface tension</td>
<td></td>
</tr>
<tr>
<td>-Absorption/desorption</td>
<td></td>
</tr>
<tr>
<td>-Physical &amp; chemical properties</td>
<td></td>
</tr>
</tbody>
</table>

### Degradability

- Biotic and abiotic degradation
- Not applicable.

### Accumulation

- Bioaccumulation potential
- Biomagnification
- Not applicable.

### Short and Long Term Effects on:

<table>
<thead>
<tr>
<th>12.2 Ecotoxicity</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Aquatic organisms</td>
<td></td>
</tr>
<tr>
<td>-Soil organisms</td>
<td></td>
</tr>
<tr>
<td>-Plants and terrestrial animals</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.3 Other Adverse Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Ozone depletion potential</td>
</tr>
<tr>
<td>-Photochemical ozone creation potential</td>
</tr>
<tr>
<td>-Effects on waste water treatment plants</td>
</tr>
</tbody>
</table>

## 13. DISPOSAL CONSIDERATIONS

<table>
<thead>
<tr>
<th>13.1 Safe Handling</th>
<th>Consult with local regulatory bodies to metallic solid waste disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.2 Methods of Disposal</td>
<td></td>
</tr>
</tbody>
</table>

## 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>14.1 UN Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 Road &amp; Sea Freight Classification:</td>
</tr>
<tr>
<td>14.3 Substance Classification Number:</td>
</tr>
<tr>
<td>14.4 Class:</td>
</tr>
<tr>
<td>14.5 Packing Group:</td>
</tr>
<tr>
<td>14.6 Proper Shipping Name:</td>
</tr>
<tr>
<td>14.7 ADR/RID CLASSIFICATION:</td>
</tr>
<tr>
<td>14.8 Sub-Risk:</td>
</tr>
<tr>
<td>Harmonized Tariff Code:</td>
</tr>
<tr>
<td>Copper wire coated with resin flux</td>
</tr>
<tr>
<td>Validated license # / General license symbol:</td>
</tr>
<tr>
<td>&quot;NLR&quot;</td>
</tr>
</tbody>
</table>

## 15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>15.1 Precautionary Label Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.2 Symbols:</td>
</tr>
<tr>
<td>15.3 Risk Phrases:</td>
</tr>
<tr>
<td>15.4 Safety Phrases:</td>
</tr>
<tr>
<td>This product does not require warning labels due to Hazards Classification as designated in Section 3.</td>
</tr>
<tr>
<td>Risk Phrases: R36/37/38</td>
</tr>
<tr>
<td>Safety Phrases: S14 (per section 5), S22/39, S43 (per section 5)</td>
</tr>
</tbody>
</table>

## 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>16.1 Regulatory Information:</th>
<th></th>
</tr>
</thead>
</table>