1. Identification of the substance/mixture and of the company/undertaking

(a) Product name
   Adhesive Tape

(b) Other means of identification
   Product Code
   P627-00060

(c) Recommended Use
   For EMI and RFI shielding; printed wiring board modification & repair; shield enhancement on woven braid shielding cable;

(d) Supplier Address
   Nitto, Inc.
   1990 Rutgers University Blvd. Lakewood, NJ08701, U.S.A.
   TEL.+1-732-901-7905  FAX.+1-732-901-9354
   Emergency telephone number
   +1-732-901-7905 (Nitto, Inc.)

2. Hazards Identification

(a) GHS - Classification
   Not applicable for article

(b) Label elements
   Physical state
   Solid
   Odor
   Slight
   Precautionary statements
   Skin contact
   IF ON SKIN: Wash with plenty of soap and water
   If skin irritation or rash occurs: Get medical advice/attention
   Wash contaminated clothing before reuse

(c) Other Hazards
   Very toxic to aquatic life with long lasting effects
   Very toxic to aquatic life

(d) Numerical measures of toxicity
   (such as acute toxicity estimates)
   99.70% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ARTICLE</th>
<th>CAS No.</th>
<th>Concentration or concentration ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>90-100</td>
<td></td>
</tr>
<tr>
<td>Acrylic adhesive</td>
<td>-</td>
<td>&lt;3</td>
<td></td>
</tr>
<tr>
<td>Silicone coated kraft paper</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

The exact percentage (concentration) of composition has been withheld as a trade secret

4. First aid measures

(a) General information
   Inhalation
   Will not occur
   Eye contact
   Immediately flush with large amounts of water for at least 15 minutes. Examination and treatment by a physician if necessary
   Skin contact
   Wash off immediately with soap and plenty of water
   In the case of skin irritation or allergic reactions see a physician
   Ingestion
   Immediately induce vomiting and then consult a doctor

(b) Most important symptoms/effects, acute and delayed:
   No information available

(c) Self-protection of the first aider
   Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves

Note to physicians
   No information available
5. Fire-fighting measures

(a) Fire extinguishing agent
- Dry chemical, CO2, water spray or regular foam
- No information available

(b) Special exposure hazards in a fire
- Hazardous combustion products: Metal fumes; toxic gases may accumulate in confined areas
- Explosion data: No information available
- Sensitivity to Mechanical Impact: No information available
- Sensitivity to Static Discharge: No information available

(c) Special protective equipment and precautions for firefighters
- In the event of fire, wear self-contained breathing apparatus
- Use personal protective equipment as required

6. Accidental release measures

(a) Personal Precautions
- Use personal protective equipment as required
- Protective gloves and safety glasses recommended

(b) Environmental precautions
- Prevent product from entering drains
- Keep out of waterways
- Dike to collect large liquid spills
- Collect spillage

(c) Methods and material for containment and cleaning up

7. Handling and Storage

(a) Precautions for safe handling
- Protective gloves and safety glasses recommended

(b) Storage conditions
- Store at room temperature and normal humidity away from direct sunlight

8. Exposure Controls/Personal Protection

(a) Control parameters
- None under normal use conditions
- Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

(b) Appropriate engineering controls
- Ensure adequate ventilation, especially in confined areas

(c) Personal protective equipment [PPE]
- Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required
- Hand protection: Wear non-permeable gloves
- Skin protection: Wear protective gloves and protective clothing

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

(a) Physical state
- Solid

(b) Color
- Copper

(c) Odor
- Slight

(d) pH
- Not Applicable

(e) Melting point / Freezing point
- No data available

(f) Boiling point / boiling range
- No data available

(g) Flash Point
- No data available

(h) Evaporation rate
- No data available

(i) Flammability (solid, gas)
- No data available

(j) Upper/lower flammability or explosive limits
- Upper: No data available
- Lower: No data available

(k) Vapor pressure
- No data available

(l) Vapor density
- No data available

(m) Specific gravity
- No data available
10. Stability and Reactivity

(a) Reactivity
Stable under normal conditions

(b) Chemical stability
Stable under normal conditions

(c) Possibility of hazardous reactions
No data available

(d) Conditions to avoid
No information available

(e) Incompatible materials
No information available

(f) Hazardous decomposition products
Metal oxides

11. Toxicological Information

(a) Information on likely routes of exposure
Inhalation
No information available

Ingestion
Not Applicable

Skin contact
No information available

Eye contact
No information available

(b) Most important symptoms/effects, acute and delayed: No information available

(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure
Acute Toxicity
No information available

Germ cell mutagenicity
No data available on finished product

Reproductive Toxicity
No data available on finished product

Target organ effects
No data available on finished product

Specification target internal organs/systemic toxicity (single exposure)
No data available on finished product

Specification target internal organs/systemic toxicity (repeat exposure)
No data available on finished product

Aspiration hazard
Not Applicable

(d) Unknown Acute Toxicity
99.70% of the mixture consists of ingredient(s) of unknown toxicity

(e) Carcinogenicity
No data available on finished product

12. Ecological Information

(a) Ecotoxicity
No data available on finished product

(b) Mobility in soil
No data available on finished product

(c) Persistence and degradability
No data available on finished product

(d) Bioaccumulation
No data available on finished product

(e) Other adverse effects
Ozone depletion potential (ODP):
Stable under normal conditions

13. Disposal Considerations

Waste treatment methods
Dispose of in accordance with federal, state and local regulations. The Customer is responsible for the proper disposal of any waste generated as a result of the use of the Product or of the Product itself, and is responsible for complying with all applicable laws, rules and regulations relating to the management, storage, treatment, shipment and disposal of such waste or Product ("Waste Management Practices"). "Product" includes anything sold by Nitto Denko Corporation and/or any affiliates or subsidiaries ("Company") to Customer. The Company is not responsible for any of the Customer's Waste Management Practices. As part of those practices, Customer must separate packaging from Product before disposal. Further, Customer should review and comply with this SDS prior to any such disposal.
Customer shall hold harmless the Company, its agents, contractors, successors and assigns from any and all liability, claims, loss, damage, death or injury, including reasonable attorneys fees and costs, arising out of or relating to Customer's Waste Management Practices
See Disposal of Wastes

### 14. Transport Information

**DOT(U.S. Department of Transportation)** Not regulated

(HMTA)

- **UN number**: Not Applicable
- **UN Proper Shipping Name**: Not regulated
- **Transport hazard class**: Not Applicable

**Environmental hazards**

- **Applicable/not applicable**: This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

**Special precautions in connection with transport or conveyance**

- Store in a cool area away from heat

**TDG:**

- **MEX (Transport is specifically for Mexico)**: Not regulated
- **ICAO (air)**: Not regulated
- **IATA**: Not regulated

**UN number**

- Not regulated

**UN Proper Shipping Name**

- Not regulated

**Transport hazard class**

- Not Applicable

**Environmental hazards**

- Applicable/not applicable: Store in a cool area away from heat

**Special precautions in connection with transport or conveyance**

**RID (Regulations concerning the International Carriage of Dangerous Goods by Rail)** Not regulated

**ADR**: Not regulated

**International Carriage of Dangerous Goods by Road)** Not regulated

**ADN Technical Name**

- Not regulated

### 15. Regulatory information

#### US Federal Regulations

**CWA (Clean Water Act):**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper 7440-50-8</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
</tr>
</tbody>
</table>

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper 7440-50-8</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 5000 lb final RQ RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

#### US State Regulations

**U.S. State Right-to-Know Regulations** Not Applicable

**REACH 7 Article 33 Article SVHC notification (> 0.1 wt%)** None based on the current SVHC listing, as of the date of this SDS.

### 16. Other information
NFPA | Health Hazards 0 | Flammability 0 | Instability: 0 | Physical and Chemical Properties -
--- | --- | --- | --- | ---
HMIS | Health Hazards 0 | Flammability 0 | Physical Hazards 0 | Personal protective equipment X

**Issue date**  25-Aug-2016  
**Date prepared**  25-Aug-2016  
**Version**  1  
**Source Information**  Raw material SDS, LOLI(Chem ADVISOR) GHS classification data

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**End of Safety Data Sheet**