1. Identification of the Substance/Preparation and of the Company/Undertaking

(a) **Product name**  
Aluminum adhesive tape

(b) **Product Code**  
P777-627-00053

(c) **Recommend Use**  
For shielding  
For masking

(d) **Supplier Address**  
Nitto, Inc.  
1990 Rutgers University Blvd. Lakewood, NJ08701, U.S.A.  
TEL.+1-732-901-7905  FAX.+1-732-364-4985

(e) **Emergency telephone number**  
+1-732-901-7905 (Nitto, Inc.)

2. Hazards Identification

(a) **GHS - Classification**  
Not applicable for article

(b) **Label elements**  
Not Applicable

(c) **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

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Product Classification</th>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fiber glass</td>
<td>65997-17-3</td>
<td>45-55</td>
</tr>
<tr>
<td></td>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>15-25</td>
</tr>
<tr>
<td></td>
<td>Silicone adhesive</td>
<td></td>
<td>10-20</td>
</tr>
<tr>
<td></td>
<td>Miscellaneous</td>
<td></td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

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

4. First aid measures

(a) **General information**  
If inhaled  
Will not occur

Eye contact  
Call a physician immediately

Skin contact  
Wash off immediately with soap and plenty of water  
In the case of skin irritation or allergic reactions see a physician

Ingestion  
Get immediate medical advice/attention

(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

Extinguish fires started by molten material by using appropriate method for the burning material; keep water, halogenated extinguishing agents and foam away from the molten material.

Prohibited media

DO NOT USE WATER
MAY REACT VIOLENTLY WITH WATER

(b) Special exposure hazards in a fire

Molten aluminum in the presence of water is very unstable. Do not use water to extinguish where there is a possibility of molten aluminum being present. Finely divided aluminum will form explosive mixture in air.

Hazardous combustion products

May react violently or explosively on contact with water. Hazardous metal fumes and oxides.

Explosion data

No information available.

Sensitivity to Mechanical Impact

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

(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

Avoid contact with eyes and skin. Protective gloves and safety glasses recommended.

Protective equipment and emergency procedures

Collect spillage. Prevent product from entering drains. Keep out of waterways.

(b) Environmental precautions

Should not be released into the environment.

(c) Methods and material for containment and cleaning up

7. Handling and Storage

(a) Precautions for safe handling

Protective gloves and safety glasses recommended. Use caution and protective gloves to avoid cuts with edges of tape liners and sparks.

(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. This product will not contain compounds in particulate (respirable) form under normal conditions.

(b) Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

(c) Personal protective equipment [PPE]

Respiratory Protection

None under normal use conditions.

Hand protection

Wear protective 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

Silver

(c) Odor

Slight

(d) pH

No data available

(e) Melting point / Freezing point

No information available

(f) Boiling point / boiling range

Not Applicable

boiling point

Not Applicable

(g) Flash Point

No data available
(h) **Evaporation rate**
No data available

(i) **Flammability (solid, gas)**
Non-flammable solid

(j) **Upper flammability limit**

<table>
<thead>
<tr>
<th>Upper</th>
<th>Lower</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

(k) **Vapor pressure**
Not Applicable

(l) **Vapor density**
Not Applicable

(m) **Specific gravity**
No data available

(n) **Solubility**
Insoluble in water

(o) **Partition Coefficient**
(n-octanol/water)
No data available

(p) **Autoignition temperature**
No data available

(q) **Decomposition temperature**
No data available

(r) **Kinematic viscosity**
No data available

(s) **Molecular weight**
No data available

9.2 **Other information**
Not Applicable

---

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**
dust formation

(e) **Incompatible materials**
Incompatible with strong acids and bases
Strong oxidizing agents
Iron
Halogens

(f) **Hazardous decomposition products**
Thermal decomposition can lead to release of irritating and toxic gases and vapors
Carbon dioxide (CO₂)
Carbon monoxide

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11. **Toxicological Information**

(a) **Information on likely routes of exposure**

  | Inhalation | Not an expected route of exposure |
  | Ingestion  | Not an expected route of exposure |
  | Skin contact | May cause skin irritation to sensitive individuals |
  | Eye contact | May cause eye irritation to sensitive individuals |

(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 |
  | Skin corrosion/irritation | No information available |
  | Serious eye damage/eye irritation | No information available |
  | Respiratory sensitization | No information available |
  | Germ cell mutagenicity | No data available on finished product |
  | Reproductive Toxicity | No data available on finished product |
  | Target organ effects | Eye contact |
  | | urinary bladder |
  | | Skin contact |
  | 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**

98.50% of the mixture consists of ingredient(s) of unknown toxicity

(e) **Carcinogenicity**

No data available on finished product.

Continuous filament glass fibers are not respirable under normal conditions and application of this product. If ground, severely cut or mechanically processed some amount of respirable particulate may become present and glass shards can result.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH (American Conference of Governmental Industrial Hygienists):</th>
<th>International Agency for Research on Cancer (IARC):</th>
<th>NTP (National Toxicology Program):</th>
<th>OSHA (Occupational Safety and Health Administration of the US Department of Labor):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber Glass</td>
<td>A3</td>
<td>Group 3</td>
<td>See below</td>
<td>-</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists): A3 - Animal Carcinogen

International Agency for Research on Cancer (IARC): Group 3 - Not classifiable as a human carcinogen

National Toxicology Program: Reasonably anticipated to be a human carcinogen (glass wool of respirable size)

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**

**Disposal of wastes** 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 attorney's fees and costs, arising out of or relating to Customer's Waste Management Practices.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations

**Disposal considerations** Should not be released into the environment

14. **Transport Information**

**DOT (U.S. Department of Transportation)**

(HMTA): Not regulated

**UN number**

Not Applicable

**UN Proper Shipping Name**

Not regulated

**Transport hazard class**

Not Applicable

**Packing group, if applicable**

Not Applicable

**Environmental hazards**

Not Applicable

**Applicable/Not applicable**

Not Applicable

**Transport in bulk according to**

Not Applicable
15. Regulatory information

US Federal Regulations

US State Regulations

California Proposition 65
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

Global Inventories
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

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
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<tr>
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<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal protective equipment</th>
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<tr>
<td></td>
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<td>0</td>
<td>0</td>
<td>X</td>
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</table>

Creation date 17-Jun-2016
Revision date 10-May-2019
Version 2
Source Information Raw material SDS
LOLI(Chem ADVISOR) GHS classification data

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End of Safety Data Sheet