

Creation date 17-Jun-2016

Revision date 10-May-2019

Version 2

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

- (a) Product name Aluminum adhesive tape
Product identifier P100
- (b) Other means of identification
Product Code P777-627-00053
- (c) Recommended 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
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

3. Composition/information on Ingredients

Product Classification ARTICLE

<u>Chemical name</u>	<u>CAS No.</u>	<u>Weight-%</u>
Fiber glass	65997-17-3	45-55
Aluminum	7429-90-5	15-25
Silicone adhesive	-	10-20
Miscellaneous	-	<10

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**
Prohibited media
 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
 DO NOT USE WATER
 MAY REACT VIOLENTLY WITH WATER
- (b) Special exposure hazards in a fire**
Hazardous combustion products
Explosion data
Sensitivity to Mechanical Impact
Sensitivity to Static Discharge
 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 metal fumes and oxides
 May react violently or explosively on contact with water
 No information available
 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**
Protective equipment and emergency procedures
 Avoid contact with eyes and skin
 Protective gloves and safety glasses recommended
- (b) Environmental precautions**
 Collect spillage
 Prevent product from entering drains
 Keep out of waterways
- (c) Methods and material for containment and cleaning up**
 Should not be released into the environment

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

8. Exposure Controls/Personal Protection

- (a) Control parameters**
Other information
 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
Hand protection
Skin protection
 None under normal use conditions
 Wear protective gloves
 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

<u>(h) Evaporation rate</u>	No data available
<u>(i) Flammability (solid, gas)</u>	Non-flammable solid
<u>(i) Upper flammability limit</u>	
<u>Upper</u>	Not Applicable
<u>Lower</u>	Not Applicable
<u>(k) Vapor pressure</u>	Not Applicable
<u>(l) Vapor density</u>	Not Applicable
<u>(m) Specific gravity</u>	No data available
<u>(n) Solubility</u>	Insoluble in water
<u>(o) Partition Coefficient</u>	No data available
<u>(n-octanol/water)</u>	
<u>(p) Autoignition temperature</u>	No data available
<u>(q) Decomposition temperature</u>	No data available
<u>(r) Kinematic viscosity</u>	No data available
<u>(s) Molecular weight</u>	No data available

9.2 Other information Not Applicable

10. Stability and Reactivity

<u>(a) Reactivity</u>	Stable under normal conditions
<u>(b) Chemical stability</u>	Stable under normal conditions
<u>(c) Possibility of hazardous reactions</u>	No data available
<u>(d) Conditions to avoid</u>	dust formation
<u>(e) Incompatible materials</u>	Incompatible with strong acids and bases Strong oxidizing agents Iron Halogens
<u>(f) Hazardous decomposition products</u>	Thermal decomposition can lead to release of irritating and toxic gases and vapors Carbon dioxide (CO2) Carbon monoxide

11. Toxicological Information

<u>(a) Information on likely routes of exposure</u>	
<u>Inhalation</u>	Not an expected route of exposure
<u>Ingestion</u>	Not an expected route of exposure
<u>Skin contact</u>	May cause skin irritation to sensitive individuals
<u>Eye contact</u>	May cause eye irritation to sensitive individuals
<u>(b) Most important symptoms/effects, acute and delayed</u>	No information available
<u>(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure</u>	
<u>Acute Toxicity</u>	No information available
<u>Skin corrosion/irritation</u>	No information available
<u>Serious eye damage/eye irritation</u>	No information available
<u>Respiratory sensitization</u>	No information available
<u>Germ cell mutagenicity</u>	No data available on finished product
<u>Reproductive Toxicity</u>	No data available on finished product
<u>Target organ effects</u>	Eye contact urinary bladder Skin contact
<u>Specification target internal organs/systemic toxicity (single exposure)</u>	No data available on finished product
<u>Specification target internal organs/systemic toxicity (repeat exposure)</u>	No data available on finished product
<u>Aspiration hazard</u>	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.

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

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.

Contaminated packaging 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

Disposal considerations Dispose of in accordance with federal, state and local regulations
 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)

Transport in bulk according to Not Applicable

<u>Annex II of MARPOL 73/78 and the IBC Code</u>	
<u>Special precautions in connection with transport or conveyance</u>	Store in a cool area away from heat
<u>TDG</u>	Not regulated
<u>MEX(Transport is specifically for Mexico)</u>	Not regulated
<u>ICAO (air)</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>UN number</u>	Not Applicable
<u>UN Proper Shipping Name</u>	Not regulated
<u>Transport hazard class</u>	Not Applicable
<u>Special precautions in connection with transport or conveyance</u>	Store in a cool area away from heat
<u>RID (Regulations concerning the International Carriage of Dangerous Goods by Rail)</u>	Not regulated
<u>ADR (European Agreement concerning International Carriage of Dangerous Goods by Road)</u>	Not regulated
<u>ADN Technical Name</u>	Not regulated

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

<u>NFPA</u>	Health Hazards 0	Flammability 0	Instability: 0	Physical and Chemical Properties -
<u>HMIS</u>	Health Hazards 0	Flammability 0	Physical Hazards 0	Personal protective equipment X

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Source Information

Raw material SDS
LOLI(Chem ADVISOR) GHS classification data

Disclaimer

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End of Safety Data Sheet