

Issue date 30-Sep-2016

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Version 1

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

- (a) Product name Aluminum adhesive tape  
Product identifier P12L
- (b) Other means of identification  
Product Code P627-00023
- (c) Recommended Use Sealing
- (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 Not Applicable
- (c) Physical state Solid
- (d) Odor Slight
- (e) Other Hazards Toxic to aquatic life with long lasting effects Toxic to aquatic life
- (f) Numerical measures of toxicity (such as acute toxicity estimates) 45.39% of the mixture consists of ingredient(s) of unknown toxicity

## 3. Composition/information on Ingredients

Product Classification ARTICLE

<u>Chemical name</u>	<u>CAS No</u>	<u>Concentration or concentration ranges</u>
Aluminum	7429-90-5	25-35
Cotton Cloth	-	15-25
Zinc oxide	1314-13-2	10-20
Rubber base adhesive	-	30-40
Liner	-	-

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 Get immediate medical advice/attention
- Skin contact Wash off immediately with soap and plenty of water  
 In the case of skin irritation or allergic reactions see a physician
- Ingestion Not an expected route of exposure
- (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, CO<sub>2</sub>, water spray or regular foam  
Prohibited media No information available
- (b) Special exposure hazards in a fire No information available  
Hazardous combustion products No information available  
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 equipment and emergency procedures Protective gloves and safety glasses recommended
- (b) Environmental precautions Discharge into the environment must be avoided
- (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
- (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  
Other information 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 Silver & Off white
- (c) Odor Slight
- (d) pH Not Applicable
- (e) Melting point / Freezing point No data 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/lower flammability or explosive limits
- Upper Not Applicable
- Lower Not Applicable
- (k) vapor pressure Not Applicable
- (l) Vapor density No data available
- (m) Specific gravity No data available
- (n) Solubility Insoluble in water

<u>(o) Partition Coefficient (n-octanol/water)</u>	No data available
<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

## 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>	No information available
<u>(e) Incompatible materials</u>	No information available
<u>(f) Hazardous decomposition products:</u>	None under normal use conditions May emit toxic fumes under fire conditions

## 11. Toxicological Information

<u>(a) Information on likely routes of exposure</u>	
<u>Inhalation</u>	No information available
<u>Ingestion</u>	No information available
<u>Skin contact</u>	No information available
<u>Eye contact</u>	No information available
<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>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>	No data available on finished product
<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
<u>(d) Unknown Acute Toxicity</u>	99.45% of the mixture consists of ingredient(s) of unknown toxicity
<u>(e) Carcinogenicity</u>	No data available on finished product

## 12. Ecological Information

<u>(a) Ecotoxicity</u>	No data available on finished product
<u>(b) Mobility in soil</u>	No data available on finished product
<u>(c) Persistence and degradability</u>	No data available on finished product
<u>(d) Bioaccumulation</u>	No data available on finished product
<u>(e) Other adverse effects</u>	
<u>Ozone depletion potential (ODP):</u>	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 disposal considerations**

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  
 Dispose of in accordance with federal, state and local regulations  
 This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261)

**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  
Special precautions in connection with transport or conveyance Store in a cool area away from heat  
TDG: Not regulated  
MEX(Transport is specifically for Mexico) Not regulated  
ICAO (air) Not regulated  
IATA: Not regulated  
IMDG Not regulated  
UN number Not Applicable  
UN Proper Shipping Name Not regulated  
Transport hazard class Not Applicable  
Special precautions in connection with transport or conveyance Store in a cool area away from heat  
RID (Regulations concerning the International Carriage of Dangerous Goods by Rail) Not regulated  
ADR : (European Agreement concerning 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)

<u>Chemical name</u>	<u>CWA - Reportable Quantities</u>	<u>CWA - Toxic Pollutants</u>	<u>CWA - Priority Pollutants</u>	<u>CWA - Hazardous Substances</u>
Zinc oxide 1314-13-2	-	X	-	-

**US State Regulations**  
**California Proposition 65**

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

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

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

**16. Other information**

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

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**End of Safety Data Sheet**