

Issue Date: 30-Sept-2016

Date prepared 30-Sept-2016

Version 1

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

- (a) Product Name: Aluminium adhesive tape
Product Identifier P11
- (b) Other means of identification
Product code P627-00011
- (c) Recommended Use Industrial use
- (d) Supplier Address NITTO, INC.
 1990 Rutgers University Blvd. Lakewood, NJ08701, U.S.A.
 TEL.+1-732-901-7905 FAX.+1-732-901-9354
- (e) Emergency Telephone Number +1-732-901-7905

2. HAZARDS IDENTIFICATION

- (a) GHS classification of the substance/mixture and any national or regional information
OSHA Regulatory Status
- (b) Label Elements Not applicable
- (c) Physical state Solid
- (d) Odor Slight

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture

ARTICLE

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration or concentration ranges</u>
Aluminium foil	-	90-99
Acrylic adhesive	-	1-10

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
- Eyes Immediately flush with large amounts of water for at least 15 minutes. Examination and treatment by a physician if necessary.
- Skin 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
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 Prevent product from entering drains
 Keep out of waterways
 Collect spillage
(c) Methods and materials 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. Ensure adequate ventilation, especially in confined areas
(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 No information available
(b) Appropriate engineering controls No information available
(c) Personal protective equipment [PPE]
Respiratory Protection None under normal use conditions
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
(b) Odor Slight
(d) pH No data available
(e) melting/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) solid
(j) Upper/lower flammability or explosive limits
Upper Not applicable
Lower Not applicable
(k) Vapor Pressure Not applicable
(l) Vapor density: Not applicable
(m) specific gravity No data available
(n) solubility Insoluble in water.
(o) Partition coefficient: 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

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>	No information available

11. TOXICOLOGICAL INFORMATION

<u>(a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)</u>	
<u>INHALATION</u>	Not an expected route of exposure
<u>INGESTION</u>	May be harmful if swallowed
<u>Skin</u>	Avoid contact with skin May cause skin irritation to sensitive individuals.
<u>Eyes</u>	May cause eye irritation with susceptible persons
<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 or Skin 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>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 toxicity</u>	Not applicable
<u>(d) Carcinogenicity</u>	The table below indicates whether each agency has listed any ingredient as a carcinogen

12. ECOLOGICAL INFORMATION

<u>(a) Ecotoxicity</u>	No data available on finished product.
<u>(b) Persistence and degradability</u>	No data available on finished product.
<u>(c) Bioaccumulation</u>	No data available on finished product.
<u>(d) Other adverse effects</u>	
<u>Ozone depletion potential (ODP):</u>	Stable under normal conditions

13. DISPOSAL CONSIDERATIONS

<u>Waste treatment methods</u>	
<u>Contaminated packaging</u>	Dispose of in accordance with federal, state and local regulations. See Disposal of waste.
<u>Disposal Considerations</u>	Should not be released into the environment
<u>Disposal of waste</u>	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.

14. TRANSPORT INFORMATION

- DOT(U.S. Department of Transportation) Not regulated
- (HMTA)
- (a) UN Number Not applicable
- (b) UN Proper Shipping Name Not regulated
- (c) Transport hazard class Not applicable
- (d) Packing group, if applicable Not applicable
- (e) Environmental hazards Not applicable
- (Applicable/not applicable)
- (f) Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code (Applicable · Not applicable) Not applicable
- (g) 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
- (a) UN Number Not applicable
- (b) UN Proper Shipping Name Not regulated
- (c) Transport hazard class Not applicable
- (g) 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 Not applicable
- US State Regulations Not applicable
- U.S. State Right-to-Know Regulations Not applicable
- International Inventories REACH SVHC information Not applicable

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

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AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

In accordance with OSHA, this product is considered an article. 29 CFR 1910.1200 (b)(6)(v) exempts articles from the Hazard Communication requirements and therefore does not require that a Safety Data Sheet be provided for this product, however it is offered at the request of our customers.

End of Safety Data Sheet