

Issue date: 5-Jul-2016

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Version 1

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

- (a) Product name: Polyurethane Moisture Barrier Tape  
Product identifier 11611-MB
- (b) Other means of identification  
Product Code P627-00056
- (c) Recommended Use Moisture barrier tape for air and floor panels of air and rotary craft, it is flame retardant and resistant to liquids.
- (d) Supplier Address Nitto, Inc.  
 1990 Rutgers University Blvd. Lakewood, NJ08701, U.S.A.  
 TEL.+1-732-901-7905 FAX.+1-732-901-9354
- Suppliers details (Plant) 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
- Physical State: Solid
- Odor Slight

## 3. Composition/information on Ingredients

Product Classification ARTICLE

<u>Chemical name</u>	<u>CAS No</u>	<u>Concentration or concentration ranges</u>
Polyurethane elastomer backing	-	80-90
Adhesive	-	10-20
Polyethylene Terephthalate (Release liner)	25038-59-9	-

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

## 4. First aid measures

- (a) General information
- If inhaled Not an expected route of exposure
- 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 Temperatures of 482F/250C or higher can cause generation of Methyl diisocyanate (MDI) causing effects as follows:  
 EYE : corneal injury, use stain for evidence, instill steroid/antibiotic preparation for treatment of corneal burn; vapors can cause reversible corneal epithelial edema;  
 SKIN: should be treated as thermal burn

INHALATION: Symptomatic treatment; where pulmonary edema is occurring, remove victim from exposure to MDI

## 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** Carbon monoxide, carbon dioxide, Hydrogen cyanide, Nitrogen oxides (NOx), Nitriles, Hydrocarbons, Aldehydes and other toxic gases; MDI may be generated at temperatures of 482F/250C and above.
- 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 ; see Sec. 4 and 11 where MDI exposure resulting from temperatures at or above 482 F /250C, is discussed.

## 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  
 Dike to collect large liquid spills  
 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  
**(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) paint** white  
**(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/lower flammability or explosive limits**

<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>(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>	Avoid storage in high temperatures and high humidity
<u>(e) Incompatible materials:</u>	No information available
<u>(f) Hazardous decomposition products:</u>	Thermal decomposition can lead to release of irritating and toxic gases and vapors ; MDI may be generated at temperatures of 482F/250C and above.

## 11. Toxicological Information

<u>(a) Information on likely routes of exposure</u>	
<u>Inhalation</u>	Not expected during intended use.
	MDI can be generated at 482F/250C: Acute: Inhalation of MDI (generated at 482F/250C or above) may irritate mucous membranes, respiratory tract, throat and cause shortness of breath, pulmonary edema, bronchitis, chemical pneumonitis Chronic: Inhalation of MDI can cause asthma like symptom; lung sensitivity can persist or be permanent; coughing, chest tightness, wheezing, shortness of breath; extreme asthmatic response can be life threatening; dust, cold and other irritants can cause reoccurrence of symptoms; lung damage can occur from chronic exposure
<u>Ingestion</u>	Not anticipated route of exposure
<u>Skin</u>	May cause skin irritation to sensitive individuals
<u>Eyes</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>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>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) Carcinogenicity</u>	No data available on finished product

## 12. Ecological Information

<u>(a) Ecotoxicity</u>	No data available on finished product
<u>(b) Mobility</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.

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

#### Contaminated packaging disposal considerations

Dispose of in accordance with federal, state and local regulations  
Should not be released into the environment

## 14. Transport Information

<u>DOT(U.S. Department of Transportation)</u>	Not regulated
<u>(HMTA)</u>	
<u>UN/ID-Nr</u>	Not Applicable
<u>UN Proper Shipping Name</u>	Not regulated
<u>Transport hazard class</u>	Not Applicable
Packing group, if applicable	Not Applicable
<u>(e) Environmental hazards (Applicable/not applicable)</u>	Not Applicable
<u>(f) Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code (Applicable · Not applicable)</u>	Not Applicable
<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/ID-Nr</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 State Regulations Not Applicable

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

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

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

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 LOLI(Chem ADVISOR) GHS classification data

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**End of Material Safety Data Sheet**