

Issue date 11-Jan-2017

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Version 2

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

- (a) Product name Polyimide Adhesive Tape
DX-2106H
- (b) Other means of identification
Product Code P627-00059
- (c) Recommended Use Hydrogen Leak Detection
- (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) Manufacturer details Nitto, Inc.
1990 Rutgers University Blvd. Lakewood, NJ08701, U.S.A.
TEL.+1-732-901-7905 FAX.+1-732-901-9354
- (f) 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
- Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
- Skin contact May cause skin irritation to sensitive individuals
IF ON SKIN: Gently wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
- Inhalation Not a probable route of exposure
- Ingestion Not a probably route of exposure
IF SWALLOWED, get medical attention.
- (c) Other Hazards No information available
- (d) Numerical measures of toxicity (such as acute toxicity estimates) No information available

3. Composition/information on Ingredients

Product Classification ARTICLE

<u>Chemical name</u>	<u>CAS No</u>	<u>Concentration or concentration ranges</u>
Polyimide	25038-81-7	45-55
Silicone adhesive	-	45-55

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 Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Get medical attention immediately if irritation persists
- 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

<u>(b) Most important symptoms/effects, acute and delayed</u>	No information available
<u>(c) Self-protection of the first aider</u>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves
<u>Note to physicians</u>	No information available

5. Fire-fighting measures

<u>(a) Fire extinguishing agent</u>	Dry chemical, CO2, water spray or regular foam
<u>Prohibited media</u>	No information available
<u>(b) Special exposure hazards in a fire</u>	No information available
<u>Hazardous combustion products</u>	No information available
<u>Explosion data</u>	No information available
<u>Sensitivity to Mechanical Impact</u>	No information available
<u>Sensitivity to Static Discharge</u>	No information available
<u>(c) Special protective equipment and precautions for firefighters</u>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. Accidental release measures

<u>(a) Personal Precautions</u>	Avoid contact with eyes and skin
<u>Protective equipment and emergency procedures</u>	Protective gloves and safety glasses recommended
<u>(b) Environmental precautions</u>	Collect spillage Prevent product from entering drains Keep out of waterways
<u>(c) Methods and material for containment and cleaning up</u>	Should not be released into the environment

7. Handling and Storage

<u>(a) Precautions for safe handling</u>	Protective gloves and safety glasses recommended
<u>(b) Storage conditions</u>	Store at room temperature and normal humidity away from direct sunlight

8. Exposure Controls/Personal Protection

<u>(a) Control parameters</u>	None under normal use conditions
<u>Other information</u>	No information available
<u>(b) Appropriate engineering controls</u>	Ensure adequate ventilation, especially in confined areas
<u>(c) Personal protective equipment [PPE]</u>	
<u>Respiratory Protection</u>	None under normal use conditions
<u>Hand protection</u>	Wear non-permeable gloves
<u>Skin protection</u>	Wear protective gloves and protective clothing

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<u>(a) Physical state</u>	Solid
<u>(b) Color</u>	amber
<u>(c) Odor</u>	Slight
<u>(d) pH</u>	No data available
<u>(e) Melting point / Freezing point</u>	No information available
<u>(f) Boiling point / boiling range</u>	Not Applicable
<u>boiling point</u>	Not Applicable
<u>(g) Flash Point</u>	No data available
<u>(h) Evaporation rate</u>	No data available
<u>(i) Flammability (solid, gas)</u>	Nonflammable solid
<u>(j) Upper/lower flammability or explosive limits</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 (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
<u>9.2 Other information</u>	Not Applicable

10. Stability and Reactivity

<u>(a) Reactivity</u>	Reacts with reducing gas or metal.
<u>(b) Chemical stability</u>	Reacts with reducing gas or metal
<u>(c) Possibility of hazardous reactions</u>	Reacts with reducing gas or metal
<u>(d) Conditions to avoid</u>	Avoid alkaline condition
<u>(e) Incompatible materials</u>	Alkaline materials
<u>(f) Hazardous decomposition products</u>	Thermal decomposition can lead to release of irritating and toxic gases and vapors Carbon dioxide (CO ₂) 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>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>	Not Applicable
<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.

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

See Disposal of Wastes

Disposal considerations

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 number</u>	Not Applicable
<u>UN Proper Shipping Name</u>	Not regulated
<u>Transport hazard class</u>	Not Applicable
<u>Packing group, if applicable</u>	Not Applicable
<u>Environmental hazards</u>	Not Applicable
<u>(Applicable/Not applicable)</u>	
<u>Transport in bulk according to</u>	Not Applicable
<u>Annex II of MARPOL 73/78 and the</u>	
<u>IBC Code</u>	
<u>Special precautions in connection</u>	Store in a cool area away from heat
<u>with transport or conveyance</u>	
<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</u>	Store in a cool area away from heat
<u>with transport or conveyance</u>	
<u>RID (Regulations concerning the</u>	Not regulated
<u>International Carriage of Dangerous</u>	
<u>Goods by Rail)</u>	
<u>ADR (European Agreement concerning</u>	Not regulated
<u>International Carriage of Dangerous</u>	
<u>Goods by Road)</u>	
<u>ADN Technical Name</u>	Not regulated

15. Regulatory information

US Federal Regulations

US State Regulations

California Proposition 65

This product does not contain any chemicals subject to Proposition 65 reporting.

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 (> 0.1 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 1	Instability: 0	Physical and Chemical Properties -
<u>HMIS</u>	Health Hazards 0	Flammability 1	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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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 this Safety Data Sheet it is offered at the request of our customers.

End of Safety Data Sheet