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Version 1

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

- (a) Product name
Product identifier Reinforced Polypropylene Strapping Tape
P-172
- (b) Other means of identification
Product Code P627-00067
- (c) Recommended Use Unitizing, packaging and other applications
- (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

3. Composition/information on Ingredients

Product Classification

ARTICLE

<u>Chemical name</u>	<u>CAS No</u>	<u>Concentration or concentration ranges</u>
Synthetic Rubber Adhesive	-	-
Polypropylene	-	-
Fiberglass reinforcement filaments	-	-

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
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
If symptoms persist, call a physician
- 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
IF SWALLOWED
Induce vomiting immediately. Get medical advice/attention if necessary
- (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) <u>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
(c) <u>Special protective equipment and precautions for firefighters</u>	In the event of fire, wear self-contained breathing apparatus Use personal protective equipment as required

6. Accidental release measures

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

7. Handling and Storage

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

8. Exposure Controls/Personal Protection

(a) <u>Control parameters</u>	None under normal use conditions
<u>Other information</u>	No information available
(b) <u>Appropriate engineering controls</u>	Ensure adequate ventilation, especially in confined areas
(c) <u>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

(a) <u>Physical state</u>	Solid
(b) <u>Color</u>	White opaque
(c) <u>Odor</u>	Slight
(d) <u>pH</u>	No data available
(e) <u>Melting point / Freezing point</u>	No information available
(f) <u>Boiling point / boiling range</u>	Not Applicable
<u>boiling point</u>	Not Applicable
(g) <u>Flash Point</u>	No data available
(h) <u>Evaporation rate</u>	No data available
(i) <u>Flammability (solid, gas)</u>	Non-flammable solid
(j) <u>Upper/lower flammability or explosive limits</u>	
<u>Upper</u>	Not Applicable
<u>Lower</u>	Not Applicable
(k) <u>vapor pressure</u>	Not Applicable
(l) <u>Vapor density</u>	Not Applicable
(m) <u>Specific gravity</u>	No data available
(n) <u>Solubility</u>	Insoluble in water
(o) <u>Partition Coefficient (n-octanol/water)</u>	No data available
(p) <u>Autoignition temperature</u>	No data available
(q) <u>decomposition temperature</u>	No data available
(r) <u>Kinematic viscosity</u>	No data available
(s) <u>molecular weight</u>	No data available

10. Stability and Reactivity

(a) Reactivity	Stable under normal conditions
(b) Chemical stability	Stable under normal conditions
(c) Possibility of hazardous reactions	No data available
(d) Conditions to avoid	No information available
(e) Incompatible materials	No information available
(f) Hazardous decomposition products:	Thermal decomposition can lead to release of irritating and toxic gases and vapors

11. Toxicological Information

(a) Information on likely routes of exposure	
<u>Inhalation</u>	Not an expected route of exposure
<u>Ingestion</u>	Not an expected route of exposure May cause respiratory irritation to sensitive individuals
<u>Skin contact</u>	May cause skin irritation to sensitive individuals
<u>Eye contact</u>	May cause eye irritation to sensitive individuals
(b) Most important symptoms/effects, acute and delayed:	No information available
(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure	
<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>	No information available
<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	
(e) Carcinogenicity	No data available on finished product

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	
<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

See Disposal of Wastes

Disposal considerations See Disposal of Wastes

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
Packing group, if applicable Not Applicable
Environmental hazards (Applicable/not applicable) Not Applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code (Applicable/Not applicable) 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 Not Applicable
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

<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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End of Safety Data Sheet