Safety Data Sheet

Creation date 07-Sep-2016 **Revision date** 28-Apr-2025 **Version** 2

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

(a) Product name PTFE Tape
Product identifier P423

(b) Other means of identification
Product Code P627-00018

(c) Recommended Use For wire harness banding
For electric insulation and protection, Applications include electrical and aerospace.

(d) Supplier Address Nitto, Inc.
1990 Rutgers University Blvd. Lakewood, NJ08701, U.S.A.
TEL.+1-732-901-7905 FAX.+1-732-364-4985

(e) 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

(c) Other Hazards Not Applicable

3. Composition/information on Ingredients

Product Classification ARTICLE Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Chemical name	CAS RN®	Weight-%
Polytetrafluoroethylene	9002-84-0	60-70
Silicone adhesive	-	30-40

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

4. First aid measures

(a) General information
If inhaled Not expected
Eye contact Call a physician immediately
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

(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	Avoid contact with eyes and skin
Protective equipment and emergency procedures	Protective gloves and safety glasses recommended
(b) Environmental precautions	Collect spillage Prevent product from entering drains Keep out of waterways
(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	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	Gray
(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	
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 (n-octanol/water)	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

(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
PTFE may decompose to hazardous decomposition products at temperatures above 400 °C

11. Toxicological Information

(a) Information on likely routes of exposure

Inhalation	Inhalation of the micro particles from heating item above melting point or above 260°C may cause polymer fume fever
Ingestion	Not an expected route of exposure May cause respiratory irritation to sensitive individuals
Skin contact	May cause skin irritation to sensitive individuals
Eye contact	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

Acute Toxicity	No information available
Skin corrosion/irritation	No information available
Serious eye damage/eye irritation	No information available
Respiratory sensitization	No information available
Germ cell mutagenicity	No data available on finished product
Reproductive Toxicity	No data available on finished product
Specification target internal organs/systemic toxicity (single exposure)	No data available on finished product
Specification target internal organs/systemic toxicity (repeat exposure)	No data available on finished product
Aspiration hazard	Not Applicable

(d) Unknown Acute Toxicity No data available on finished product

(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	
Hazardous to the Ozone Layer	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

DOT(U.S. Department of Transportation) （HMTA）	Not regulated
UN Number	Not Applicable
UN Proper Shipping Name	Not regulated
Transport hazard class	-
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	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	-
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	Not regulated
ADN Technical Name	Not regulated

15. Regulatory information

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Polytetrafluoroethylene 9002-84-0	-	-	X

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

NFPA	**Health Hazards** 0	**Flammability** 0	**Instability:** 0	**Special hazards** -
HMIS	**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