

Creation date 17-Sep-2014

Revision date 28-Nov-2019

Version 7

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

Product name DOUBLE-COATED ADHESIVE TAPE

Product identifier NO5011N

Product Code P020-00045785-0000

Supplier Address Nitto Denko Corporation Toyohashi Plant
18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194, Japan
TEL. +81-532-41-8461, FAX. +81-532-41-8064

Department responsible Quality Management Dept. Administration Div

Emergency telephone number +81-532-41-1121(TOYOHASHI PLANT)

Recommended Use For bonding flame retardant parts

2. Hazards Identification

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

3. Composition/information on Ingredients

| <u>Single Substance or Mixture</u> | Article | <u>Chemical name</u> | <u>CAS No.</u> | <u>Weight-%</u> |
|------------------------------------|---------|---------------------------------------|----------------|-----------------|
| | | Acrylic adhesive | - | 70-80 |
| | | Antimony trioxide | 1309-64-4 | 10-20 |
| | | Nonwoven fabric | - | 5-15 |
| | | Silicone coated paper (Release liner) | - | - |

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

4. First aid measures

If inhaled Will not occur

Skin contact Wash with plenty of water and soap
In the case of skin irritation or allergic reactions see a physician

Eye contact Immediately flush with large amounts of water for at least 15 minutes. Examination and treatment by a physician if necessary

Ingestion Immediately induce vomiting and then consult a doctor

Most important symptoms/effects, acute and delayed No information available

Self-protection of the first aider No information available

Note to physicians No information available

5. Fire-fighting measures

Fire extinguishing agent Carbon dioxide (CO₂)
Extinguishing powder
Water
ABC-powder

Prohibited media No information available

Special exposure hazards in a fire Burning produces poisonous gases

Specific extinguishing methods No information available

Advice for fire-fighters Due to poisonous gas (chlorine gas and so on) may be occurred, if needed, use Gas mask and Goggles

6. Accidental release measures

Personal Precautions Will not occur. Not specified

Protective equipment and emergency procedures Will not occur. Not specified

Environmental precautions Will not occur. Not specified

Methods and material for containment and cleaning up Will not occur. Not specified

7. Handling and Storage

Handling

| | |
|--|--|
| <u>Technical measures:</u> | Do not use the tape for the part susceptible to damage by corrosion. Because the tape may generate corrosive gas when is used under high humidity and high temperature for long period |
| <u>Local and general exhaust ventilation</u> | Not required for use in normal temperature |
| <u>Precautions for safe handling</u> | Provide adequate ventilation when performing high-temperature processing |
| <u>Remarks</u> | None in particular Use caution and protective gloves to avoid cuts with edges of tape liners |

Storage

| | |
|---|---|
| <u>Technical measures:</u> | None in particular |
| <u>Storage conditions</u> | Store at room at room temperature and normal humidity away from direct sunlight |
| <u>Storage conditions to avoid</u> | Avoid high temperature |
| <u>Incompatible materials</u> | No information available |
| <u>Conditions for safe storage, including any incompatibilities</u> | Shipping package |

8. Exposure Controls/Personal Protection

| | |
|---|--------------|
| <u>Control parameters</u> | Unset |
| <u>Permissible concentration</u> | Unset |
| <u>Appropriate engineering controls</u> | Not required |

Personal protective equipment [PPE]

| | |
|-------------------------------|--------------|
| <u>Respiratory Protection</u> | Not required |
| <u>Hand protection</u> | Not required |
| <u>Eye protection</u> | Not required |
| <u>Skin protection</u> | Not required |

| | |
|---------------------------------------|----------------------------------|
| <u>General hygiene considerations</u> | None under normal use conditions |
|---------------------------------------|----------------------------------|

9. Physical and Chemical Properties

| | |
|--|---|
| <u>Physical state</u> | Solid |
| <u>Color</u> | Roll type white |
| <u>Odor</u> | None in particular |
| <u>pH</u> | No data available |
| <u>Melting point / Freezing point</u> | No data available |
| <u>boiling point</u> | No data available |
| <u>Boiling point / boiling range</u> | No data available |
| <u>Flash Point</u> | 184 °C |
| <u>Autoignition temperature</u> | Rapid equilibrium method No data available |
| <u>Upper</u> | No data available |
| <u>Lower</u> | No data available |
| <u>Vapor pressure</u> | No data available |
| <u>Vapor density</u> | No data available |
| <u>Specific gravity</u> | approx 1.3 |
| <u>Solubility</u> | Insoluble in water |
| <u>Partition Coefficient (n-octanol/water)</u> | No data available |
| <u>Decomposition temperature</u> | No data available |

10. Stability and Reactivity

| | |
|---|---|
| <u>Reactivity</u> | Stable under normal conditions of use and storage |
| <u>Possibility of hazardous reactions</u> | No data available |
| <u>Conditions to avoid</u> | None in particular |
| <u>Incompatible materials</u> | No information available |
| <u>Hazardous decomposition products</u> | No information available |

11. Toxicological Information

| | |
|--|--------------------------|
| <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 information available |
| <u>Reproductive Toxicity</u> | No information available |

| | |
|---|--------------------------|
| <u>Specification target internal organs/systemic toxicity (single exposure)</u> | No information available |
| <u>Specification target internal organs/systemic toxicity (repeat exposure)</u> | No information available |
| <u>Aspiration hazard</u> | No information available |

12. Ecological Information

| | |
|--|--------------------------|
| <u>Persistence and degradability</u> | No information available |
| <u>Bioaccumulation</u> | No information available |
| <u>Mobility in soil</u> | No information available |
| <u>Ozone depletion potential (ODP)</u> | No information available |

13. Disposal Considerations

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|--------------------------------|--|
| <u>Waste treatment methods</u> | Do not incinerate Incinerating the product may produce fumes or odors Disposal should be in accordance with applicable regional, national and local laws and regulations Contact an authorized industrial waste treatment company for off-site disposal |
| <u>Contaminated packaging</u> | Package: Contact a recycling manufacture |

14. Transport Information

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|---|--|
| <u>International regulations</u> | |
| <u>Transport hazard class</u> | Not Applicable |
| <u>UN number</u> | Not Applicable |
| <u>Japanese regulation</u> | Not Applicable |
| <u>Special precautions in connection with transport or conveyance</u> | Do not store in long term under high temperature or leave outdoors |

15. Regulatory information

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|----------------------------------|--|
| <u>Local regulation</u> | Fire Service Act. Product body: Not applicable Release liner: Designated flammable material (Synthetic resins: Other) Treatment method of Japanese regulation Fire Service Act should comply with local law and regulations |
| <u>Foreign regulation</u> | Contact NITTO for more information |
| <u>California Proposition 65</u> | This product contains the following Proposition 65 chemicals |

| <u>Chemical name</u> | <u>California Proposition 65</u> |
|----------------------|----------------------------------|
| Antimony trioxide | Carcinogen |

| | |
|--|----------------|
| <u>REACH 7 Article 33 Article SVHC notification (> 0.1 wt. %)</u> | Not Applicable |
|--|----------------|

16. Other information

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|---|---|
| <u>Creation date</u> | 17-Sep-2014 |
| <u>Revision date</u> | 28-Nov-2019 |
| <u>Version</u> | 7 |
| <u>Key literature references and sources for data</u> | JIS Z 7252: 2009 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" JIS Z7253: 2012 Safety data sheet for chemical products -Content and order of sections |

Disclaimer

Contents are based on documents, information and data which are available at this time, but nothing is guaranteed as regards content, physical and chemical properties, hazards
Also precautions are subject to ordinary handling, so please take safety measures as usage in special cases
The regulatory information presented here should not necessarily be considered as all-inclusive. Other local and international regulations may also apply

End of Safety Data Sheet