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

Product name
DOUBLE-COATED ADHESIVE TAPE

Product identifier
VR-5311

Product Code
P020-00045671-0000

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 fixing rubber parts

2. Hazards Identification

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

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Single Substance or Mixture</th>
<th>Article</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic adhesive</td>
<td></td>
<td>-</td>
<td>40-50</td>
</tr>
<tr>
<td>Rubber pressure sensitive adhesive</td>
<td></td>
<td>-</td>
<td>40-50</td>
</tr>
<tr>
<td>Polyester film</td>
<td></td>
<td>-</td>
<td>5-15</td>
</tr>
<tr>
<td>Silicone coated paper (Release liner)</td>
<td></td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

* 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
Bags of water, ABC multi-purpose extinguisher, powder extinguisher, CO2 extinguisher

Prohibited media
No information available

Special exposure hazards in a fire
No information available

Specific extinguishing methods
No information available

Advice for fire-fighters
Wear full protective clothing and self-contained breathing apparatus with full face-piece as needed

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
8. Exposure Controls/Personal Protection

Control parameters
- Unset

Permissible concentration
- Unset

Appropriate engineering controls
- Not required

Personal protective equipment [PPE]
- Respiratory Protection
  - Not required
- Hand protection
  - Not required
- Eye protection
  - Not required
- Skin protection
  - Not required

General hygiene considerations
- None under normal use conditions

9. Physical and Chemical Properties

Physical state
- Roll type
  - Solid

Color
- Black

Odor
- None in particular

pH
- No data available

Melting point / Freezing point
- No data available

boiling point
- No data available

Boiling point / boiling range
- No data available

Flash Point
- No data available

Autoignition temperature
- No data available

- Upper
- Lower

Vapor pressure
- No data available

Vapor density
- No data available

Specific gravity
- approx 1

Solubility
- Insoluble in water

Partition Coefficient (n-octanol/water)
- No data available

Decomposition temperature
- No data available

10. Stability and Reactivity

Reactivity
- Stable under normal conditions of use and storage

Possibility of hazardous reactions
- No data available

Conditions to avoid
- None in particular

Incompatible materials
- No data available

Hazardous decomposition products
- No information available

11. Toxicological Information

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 information available

Reproductive Toxicity
- No information available

Specification target internal organs/systemic toxicity (single exposure)
- No information available

Specification target internal organs/systemic toxicity (repeat exposure)
- No information available

Aspiration hazard
- No information available
12. Ecological Information

Persistence and degradability: No information available
Bioaccumulation: No information available
Ozone depletion potential (ODP): No information available

13. Disposal Considerations

Waste treatment methods: 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.
Contaminated packaging: Package: Contact a recycling manufacture.

14. Transport Information

International regulations:
Transport hazard class: Not Applicable
UN number: Not Applicable
Japanese regulation: Not Applicable
Special precautions in connection with transport or conveyance: Do not store in long term under high temperature or leave outdoors.

15. Regulatory information

Local regulation: Japanese regulation Fire Service Act: Designated flammable material (Synthetic resins: Other)
Foreign regulation: Contact NITTO for more information
REACH 7 Article 33 Article SVHC notification (> 0.1 wt. %): Not Applicable

16. Other information

Creation date: 04-Sep-2014
Revision date: 26-Nov-2018
Version: 2
Other information: The regulatory information presented here should not necessarily be considered as all-inclusive. Other local and international regulations may also apply.
Key literature references and sources for data:
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.

End of Safety Data Sheet