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

Product name: Polyester adhesive tape
Product identifier: NO31B-75
Product Code: P020-00032716-0000
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 electric insulation and protection

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>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Polyester film</td>
<td>-</td>
<td>55-85</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acrylic adhesive</td>
<td>-</td>
<td>15-45</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
Eye contact: In the case of skin irritation or allergic reactions see a physician
Ingestion: Immediately flush with large amounts of water for at least 15 minutes. Examination and treatment by a physician if necessary
Most important symptoms/effects, acute and delayed: Immediately induce vomiting and then consult a doctor
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: None in particular
Technical measures: None in particular
Local and general exhaust ventilation | Not required for use in normal temperature
Precautions for safe handling | Provide adequate ventilation when performing high-temperature processing
Remarks | None in particular

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

8. Exposure Controls/Personal Protection

Control parameters
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
Color Transparent
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
Upper No data available
Lower No data available
vapor pressure No data available
Vapor density No data available
Specific gravity approx 1.1-1.2
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
Other adverse effects
May cause get a rash by skin contact

12. Ecological Information

Persistence and degradability
No information available
Bioaccumulation
No information available
Mobility in soil
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 manufacturer

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
International regulations
Contact NITTO for more information

REACH 7 Article 33 Article SVHC notification (> 0.1 wt. %)
Not Applicable

16. Other information

Creation date
03-Sep-2014
Revision date
26-Jul-2018
Version
3

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