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

Product name: PET adhesive tape
Product identifier NO.31RH-75 Blue
Product Code P020-00032819-0023
Supplier Address Nitto Denko Corporation Toyohashi Plant
18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194, Japan
TEL.+81-532-41-7242, FAX. +81-532-41-7284
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

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

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Concentration or concentration ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene terephthalate</td>
<td>25038-59-9</td>
<td>55-80</td>
</tr>
<tr>
<td>Acrylic resin</td>
<td>-</td>
<td>20-45</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>0.5-2</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 In the case of skin irritation or allergic reactions see a physician
Peel slowly, then rinse in water
Eyes 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 Water
ABC-powder
Extinguishing powder
Carbon dioxide (CO2)
Prohibited media No information available
Special exposure hazards in a fire No information available
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
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
Solid
Paint
Blue
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
Specific gravity
Approx 1.2
Solubility
Insoluble in water
Partition coefficient:
No data available
decomposition temperature
No data available
Other Data
Flammability:

10. Stability and Reactivity

Reactivity:
Stable under normal conditions of use and storage
Possibility of Hazardous Reactions
No data available
Conditions to avoid
No information available
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
Carcinogenicity
No information available
Reproductive Toxicity
No information available
Specification target internal organs/systemic toxicity (single exposure):
No information available
Specification target internal
No information available
12. Ecological Information

Persistence and degradability: No information available
Bioaccumulation: No information available
Mobility: 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. When burning it, use an incinerator which satisfies its technical guidelines (the residence time is 2 seconds or more at a temperature of 800 °C centigrade or more). Contact an authorized industrial waste treatment company for off-site disposal.

Contaminated packaging:
Contact a recycling manufacture.

14. Transport Information

National regulations:
- Transport hazard class: Not Applicable
- UN/ID-Nr: 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 (> 0.1wt%): Not Applicable

16. Other information

Issue date: 11-Sep-2014
Date prepared: 09-Jun-2016
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 Z 7253: 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 Material Safety Data Sheet