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

**Product name:** PET adhesive tape

**Product identifier:** NO3161FR1 75 Blue

**Product Code:** P020-00030556-0023

**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>Article</th>
<th>CAS No.</th>
<th>Concentration or concentration ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic resin</td>
<td></td>
<td></td>
<td>45-55</td>
</tr>
<tr>
<td>Polyethylene terephthalate</td>
<td>25038-59-9</td>
<td>40-50</td>
<td></td>
</tr>
<tr>
<td>Antimony trioxide</td>
<td></td>
<td>1309-64-4</td>
<td>3-5</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td>13463-67-7</td>
<td>1-2</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

**Treatment**

**Technical measures:** None in particular  
**Local and general exhaust ventilation:** Not required for use in normal temperature  
**Remarks:** Provide adequate ventilation when performing high-temperature processing

**Precautions for safe handling:** Persons with sensitive skin may develop a rash from exposure to this product. Do not allow its adhesive to touch your skin

**Storage**

**Technical measures:** None in particular  
**Storage Conditions:** Store at room at room temperature and normal humidity away from direct sunlight  
**Storage conditions to avoid:** Avoid high temperature  
**Incompatible materials:** None in particular  
**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  
**paint:** Solid  
**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):** 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. Contact an authorized industrial waste treatment company for off-site disposal. Do not incinerate. Incinerating the product may produce fumes or odors. The product should be disposed of by a certified disposal contractor.
- **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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony trioxide</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

- **REACH 7 Article 33 Article SVHC notification (> 0.1wt%)**: Not Applicable

16. Other information

- **Issue date**: 19-Sep-2014
- **Date prepared**: 08-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. 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