1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: PET adhesive tape
Product Identifier: NO3161FR1 75 Black
Product code: P020-00030556-0029
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>Acrylic resin</td>
<td></td>
<td>45-55</td>
</tr>
<tr>
<td>Polyethylene terephthalate</td>
<td>25038-59-9</td>
<td>40-50</td>
</tr>
<tr>
<td>Antimony trioxide</td>
<td>1309-64-4</td>
<td>3-5</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.
Immediately induce vomiting and then consult a doctor.

Ingestion
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 firefighters
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 materials for containment and cleaning up
Will not occur. Not specified.
7. HANDLING AND STORAGE

Handling

Technical measures: None in particular
Local and general exhaust ventilation: Not required for use in normal temperature.
Comments: Provide adequate ventilation when performing high-temperature processing.
Precautions for safe handling: Persons with sensitive skin may develop a rash from exposure to this sheet. Do not allow REVALPHA or 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
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
Hygiene considerations: Normally not required

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State
Color: solid
black
Odor: None in particular
pH: No data available
melting/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: approximately 1.2
solubility: Insoluble in water
Partition coefficient: No data available
Decomposition temperature: No data available
Other Data

10. STABILITY AND REACTIVITY

Reactivity
Possibility of hazardous reactions: Stable under normal conditions of use and storage
Conditions to avoid:
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 or Skin sensitization: No information available
Germ Cell Mutagenicity: No information available
Carcinogenicity: No information available
Reproductive Toxicity: No information available
12. ECOLOGICAL INFORMATION

- **Mobile**: No information available
- **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. 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 manufacturer.

14. TRANSPORT INFORMATION

- **National regulations**
  - (c) Transport hazard class: Not applicable
  - (a) UN Number: Not applicable
- **Japanese regulations**
  - (g) Special precautions in connection with transport or conveyance: Do not store in long term under high temperature and leave out field

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>

16. OTHER INFORMATION

- **Issue Date**: 19-Sep-2014
- **Date prepared**: 19-Sep-2014
- **Version**: 1

**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. Precautions are subject to ordinary handling; take safety measures as usage in special cases. Also precautions are subject to ordinary handling, so please take safety measures as usage in special cases.

End of Safety Data Sheet