SAFETY DATA SHEET

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

Product Name: PET adhesive tape
Product Identifier: NO3161FR1 75 Red
Product code: P020-00030556-0011
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. Provide adequate ventilation when performing high-temperature processing.
**Comments:** None in particular
**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
**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**
**Appropriate engineering controls**
**Respiratory Protection:**
**Hand Protection:**
**Eye protection:**
**Skin protection:**
**Hygiene considerations:** Normally not required

9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State**
**Color**
**Odor**
**pH**
**melting/freezing point**
**Boiling Point**
**Boiling point / boiling range**
**Flash point:**
**Autoignition Temperature:**
**Upper**
**Lower**
**Vapor Pressure**
**specific gravity**
**solubility**
**Partition coefficient:**
**Decomposition temperature**
**Other Data**

10. STABILITY AND REACTIVITY

**Reactivity**
**Possibility of hazardous reactions**
**Conditions to avoid:**
**Incompatible Materials:**
**Hazardous decomposition products:**

11. TOXICOLOGICAL INFORMATION

**Acute toxicity**
**Skin corrosion/irritation**
**Serious eye damage/eye irritation**
**Respiratory or Skin sensitization**
**Germ Cell Mutagenicity**
**Carcinogenicity**
**Reproductive Toxicity**
Specification target internal organs/systemic toxicity (single exposure): No information available
Specification target internal organs/systemic toxicity (repeat exposure): No information available
Aspiration 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
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>

REACH SVHC information: Not applicable

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