SAFETY DATA SHEET

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

Product Name: PET adhesive tape
Product Identifier: NO3161FR1 75 Milky white
Product code: P020-00030556-0062
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.

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 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 exhaust ventilation: Provide adequate ventilation when performing high-temperature processing.
  Comments: 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
  Unset
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
  Roll type
  solid

Color
  Milky white

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:
  No data available
  Upper
  Lower

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
  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 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**
Not applicable

(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>
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<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
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<td>Carcinogen</td>
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**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