

Issue date: 25-Aug-2014

Date prepared 04-Dec-2015

Version 3

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

Product name: Polyethylene / polypropylene adhesive sheet

Product identifier SPV-364MK

Product Code P020-00050714-0033

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 Surface 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

| Single Substance or Mixture | article | Chemical name | CAS No | Concentration or concentration ranges |
|-----------------------------|---------|-----------------|-----------|---------------------------------------|
| | | Polypropylene | 9003-07-0 | 65-75 |
| | | Polyisobutylene | - | 20-30 |
| | | Polyethylene | 9002-88-4 | 5-10 |

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. First aid measures

If inhaled Will not occur

skin Wash with plenty of soap and water
In the case of skin irritation or allergic reactions see a physician

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 data available

Self-protection of the first aider no data available

Note to physicians no data available

5. Fire-fighting measures

Fire extinguishing agent Carbon dioxide (CO2)
Extinguishing powder
Water
ABC-powder

Prohibited media no data available

Special exposure hazards in a fire no data available

Specific extinguishing methods no data 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 Provide adequate ventilation when performing high-temperature processing |
| Precautions for safe handling | None in particular |

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 |

| | |
|---------------------------------------|----------------------------------|
| General Hygiene Considerations | None under normal use conditions |
|---------------------------------------|----------------------------------|

9. Physical and Chemical Properties

| | |
|---------------------------------------|--------------------|
| Physical State: | Solid |
| paint | Roll type |
| Odor | transparence |
| pH | None in particular |
| 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: | no data available |
| Upper | no data available |
| Lower | no data available |
| vapor pressure | no data available |
| Vapor density: | no data available |
| Specific gravity | approx 0.9 |
| 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 | None in particular |
| Incompatible materials: | no data available |
| Hazardous decomposition products: | no data available |

11. Toxicological Information

| | |
|---|-------------------|
| Acute Toxicity | no data available |
| Skin corrosion/irritation | no data available |
| Serious eye damage/eye irritation | no data available |
| Respiratory sensitization | no data available |
| Germ cell mutagenicity | no data available |
| carcinogenicity | no data available |
| Toxicity for reproduction | no data available |
| Specification target internal organs/systemic toxicity (single exposure) | no data available |
| Specification target internal | no data available |

organs/systemic toxicity (repeat exposure)**Inhalation toxicity** no data available**12. Ecological Information****Persistence and degradability** no data available**Bioaccumulation** no data available**Mobility** no data available**Ozone depletion potential (ODP):** no data 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).**Contaminated packaging** Contact an authorized industrial waste treatment company for off-site disposal
Package: Contact a recycling manufacture**14. Transport Information****National regulations****Transport hazard class** Not Applicable**UN/ID-Nr** Not Applicable**14.6. Special precautions for user** Not Applicable**Special Provisions** 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:** 25-Aug-2014**Date prepared** 04-Dec-2015**Version** 3**Key literature references and sources for data** JIS Z7253 : 2012 Safety data sheet for chemical products -Content and order of sections
JIS Z 7252 : 2009 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"**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

The regulatory information presented here should not necessarily be considered as all-inclusive. Other local and international regulations may also apply

End of Material Safety Data Sheet