

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

Product Name: Styrene-IR double-coated adhesive tape

Product Identifier VR-5000

Product code P020-00013681-0000

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 fixing rubber parts

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

Chemical Name	CAS No	Concentration or concentration ranges
Styrene-Isoprene copolymer	-	85-95
Cellulose (Nonwoven fabric)	9004-34-6	5-15
Cellulose (Release liner)	9004-34-6	-

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

* "Non-woven fabric" is classified under a law called Customs Act of Fixed Rate Chapter 48 "Paper and paperboard; articles of paper pulp, of paper or of paperboard".

4. FIRST AID MEASURES

IF INHALED Will not occur

skin Wash with plenty of water and soap
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 information available

Self-protection of the first aider No information available

Note to physicians No information available

5. FIRE-FIGHTING MEASURES

Fire extinguishing agent Bags of water, ABC multi-purpose extinguisher, powder extinguisher, CO2 extinguisher

Prohibited media No information available

Special exposure hazards in a fire No information available

Specific extinguishing methods No information available

Advice for firefighters Wear full protective clothing and self-contained breathing apparatus with full face-piece as needed.

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

<u>Technical measures:</u>	None in particular
<u>Local and general exhaust ventilation</u>	Not required for use in normal temperature. Provide adequate ventilation when performing high-temperature processing.
<u>Comments</u>	Use caution and protective gloves to avoid cuts with edges of tape liners
<u>Precautions for safe handling</u>	None in particular

Storage

<u>Technical measures:</u>	None in particular
<u>Storage Conditions</u>	Store at room temperature and normal humidity away from direct sunlight
<u>Storage conditions to avoid</u>	Avoid high temperature
<u>Incompatible Materials:</u>	No data available
<u>Conditions for safe storage, including any incompatibilities</u>	Shipping package

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Control parameters</u>	Unset
<u>Permissible concentration</u>	Unset
<u>Appropriate engineering controls</u>	Not required

Personal protective equipment [PPE]

<u>Respiratory Protection</u>	Not required
<u>Hand Protection:</u>	Not required
<u>Eye protection</u>	Not required
<u>Skin protection</u>	Not required

<u>Hygiene considerations:</u>	Normally not required
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9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Physical State</u>	Roll type
<u>Color</u>	light yellow
<u>Odor</u>	None in particular
<u>pH</u>	No data available
<u>melting/freezing point</u>	No data available
<u>Boiling Point</u>	No data available
<u>Boiling point / boiling range</u>	No data available
<u>Flash point:</u>	No data available
<u>Autoignition Temperature:</u>	No data available
<u>Upper</u>	No data available
<u>Lower</u>	No data available
<u>Vapor Pressure</u>	No data available
<u>Vapor density:</u>	No data available
<u>specific gravity</u>	approximately 1.0
<u>solubility</u>	Insoluble in water
<u>Partition coefficient:</u>	No data available
<u>Decomposition temperature</u>	No data available

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Stable under normal conditions of use and storage
<u>Possibility of hazardous reactions</u>	No data available
<u>Conditions to avoid:</u>	None in particular
<u>Incompatible Materials:</u>	No data available
<u>Hazardous decomposition products:</u>	No information available

11. TOXICOLOGICAL INFORMATION

<u>Acute toxicity</u>	No information available
<u>Skin corrosion/irritation</u>	No information available
<u>Serious eye damage/eye irritation</u>	No information available
<u>Respiratory or Skin sensitization</u>	No information available
<u>Germ Cell Mutagenicity</u>	No information available
<u>Carcinogenicity</u>	No information available
<u>Reproductive Toxicity</u>	No information available
<u>Specification target internal organs/systemic toxicity (single exposure)</u>	No information available
<u>Specification target internal organs/systemic toxicity (repeat exposure)</u>	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 Package: Contact a recycling manufacture.

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 National regulations
Contact NITTO for more information.
REACH SVHC information Not applicable

16. OTHER INFORMATION

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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.
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