

Avery Dennison® Y 4322F

1. Product and company identification

1.1	Product name:	AVERY DENNISON® Y 4322F
1.2	Intended use:	Diaper Closure Tape
1.3	Producer:	Avery Dennison Kunshan Co. Ltd. Performance Tapes
	Contact person:	Joy Zhang
	Telephone number:	+86 512 5715 5001

2. Composition of the product

2.1 Product composition:

- The adhesives are hotmelt rubbers consisting of a combination of synthetic rubber, resins and antioxidant
- Fastening tape film carriers are composed of polypropylene film
- Release tape film carriers are composed of polypropylene film
- The release agents are composed of silicones

2.2 Adhesive components:

Ingredient	CAS No	Percent
Block copolymer 1	25038-32-8	5 ~ 30 %
Block copolymer 1	9003-55-8	20 ~ 40 %
Solid resin 2	26335-67-1	10 ~ 40 %
Solid resin 1	68131-89-5	10 ~ 30 %
Antioxidant	31570-04-4	0.5 ~ 5 %
UV absorb	25973-55-1	< 2%

3. Hazard identification

There is no evidence to suggest that this product can be considered as harmfulness under normal condition of use, handling and storage.

- 3.1 This product is not considered to be dangerous according to Directive 1999/45/EC.
- 3.2 This product does not contain concentrations $\geq 1\%$ of substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC
- 3.3 Intertek report

<u>Test Items</u>	<u>Unit</u>	<u>Limits</u>	<u>Test Method</u>
Formaldehyde	mg/kg	Not Detected ¹⁾	KS K 0611
Chlorophenols (PCP2), TeCP3))	mg/kg	< 0.5	KS K 0733
pH	-	<9.5	KS K 0255
Azo dye ⁴⁾	mg/kg	< 30	KS K 0147, 0734
Fluorescence		Not Visually Detected (No transfer)	Under 300~400nm

4. First aid measures

Skin contact:	If the skin would be irritated after prolonged contact, clean the skin with water and soap.
Eye contact:	If a part of the tape is present in the eye, treat the part as an inert particle. Irrigate with plenty of clean water for 15 minutes; remove contact lenses for better cleaning.
Oral:	If a piece of tape is swallowed, rinse out mouth and drink large quantities of water. Obtain medical attention if necessary.
Inhalation:	Remove from exposure and obtain medical assistance in case of breathing difficulties.

5. Fire fighting measures

Suitable extinguishing media are foam, sand, dry powder, and carbon dioxide.

Hazardous decomposition products: above the decomposition temperature the major volatiles will be carbon dioxide, water carbon monoxide and small molecular weight organic materials.

The ratio depends on the burning temperature and the presence of oxygen.

6. Accidental release measures

The product is a solid and insoluble product. Therefore uncontrolled release (into air or water) is highly unlikely.

7. Handling and storage

Handling:

Static electricity: In most processes in which there is movement of foil over metal or other rollers, surface electrical charges develop on the film. Static charges should be eliminated or reduced as much as possible, since they provide a source of ignition for flammable vapours and gasses or may give electrical shocks to operators. Use either passive or active static eliminators to reduce the charges.

Reeling: Machine design and work practices should be organized to remove the danger of trapping parts of the body or clothing in reeled materials and between the film and machinery parts.

Work area: Operators who convert the tape should work in well-ventilated areas.

Storage: Store under dry conditions, out of direct sunlight and at temperatures below 40°C.

8. Exposure controls / personal protection

8.1 No specific environmental exposure limit values apply.

8.2 Exposure control:

8.2.1 Ensure sufficient ventilation.

8.2.1.1 Protective mask is not necessary in a normal ventilated work area.

8.2.1.2 Gloves are only necessary to protect hands from sharp edges of some tapes.

8.2.1.3 Eye protection (safety glasses) is only necessary in conversion operations where parts of the tape may be projected to the face.

8.2.1.4 Apply general measurements of normal hygiene.

8.2.2 No specific environmental exposure limit values apply.

9. Physical and chemical properties

9.1 General information

– Physical state: the product is solid, supplied in film format and would in rolls

– Smell: slight rubber smell

– Colour:	Adhesive:	light yellow
	Fastening tape film:	transparent
	Release tape film:	white
	Finger-lift:	blue

9.2 Important health, safety and environmental information

-PH value:	not defined (solid product)
-Boiling point:	not defined (solid product)
-Flash point:	not defined (solid product)
-Decomposing temperature:	not defined (solid product)
-Auto-ignition temperature:	not defined (solid product)
-Relative density (adhesive):	1.0 ± 0.1 gr./cm ³
-Solubility in water:	negligible
-Vapour density:	not applicable, product is solid

10. Stability / reactivity

The product is stable under normal operating condition.

11. Toxicological information

- Inhalation:	not determined
- Skin contact:	not determined
- Cytotoxicity:	not determined
- Eye contact:	not determined
- Ingestion:	not determined
- Long term exposure:	no adverse effects are expected during normal ues

12. Ecological information

- Not determined
- Avoid losses to the environment whenever possible
- Parts of the product will slowly degrade under exposure to UV-light. Adverse effects are not to be expected

13. Disposal considerations

Dispose of in a safe and approved manner in accordance with local regulations.

14. Transport information

The material is not a hazardous good by any means for transportation.
The product does not have any restricted classification.

15. Regulatory information

According to the EG-directives, the product is not subject for special markings
(R-sentence, S-sentence, Vbf are not applicable)

16. Other information

None



Material Safety Data Sheet

This information is given in good faith and is based on our present knowledge and experience but no warranty, express or implied, is made.

*For further information, please consult Performance Tapes, Avery Dennison Kunshan Co., Ltd., China.
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