

Product name: FT0411

1. Product and company identification

- 1.1. Product name: **FT0411**
- 1.2. Intended use: Solvent base pressure sensitive adhesive tape
- 1.3. Producer: Avery Dennison Kunshan Co., Ltd.
Avery Dennison Performance Tapes
No.618 Nanhe Road
Kunshan City / China
- Contact person: Hongyan Cao
Product Safety Coordinator
- Telephone number: +86 512 5715 5056

2. Composition / information on ingredients

- 2.1. Product Composition: Single coated pressure sensitive adhesive tape
- Adhesive consists of a combination of acrylate copolymer, catalyst, crosslinker, and solvent
 - Carrier is clear polypropylene film.
 - Liner is a siliconised paper.
- 2.2. This product is not considered to be dangerous according to Directive 1999/45EC
- 2.3. Hazardous components
- 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. Hazard identification

There is no evidence to suggest that this material constitutes a health hazard (according to 1999/45/EC) during handling under normal safe working conditions.

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. If necessary obtain medical attention.

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 carbondioxide.

Hazardous decomposition products: above the decomposition temperature the major volatiles will be carbondioxide, water carbonmonoxide 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 organised 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 30°C.

8. **Exposure controls / personal protection**

8.1. The product contains max 0.18% of residual solvents (weight percentage on total weight)
The exposure limits of the residual solvents never passes the TLV-value in a normal ventilated work area.

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 wound in rolls.
- Smell: slight resin and acrylic smell
- Colour: Adhesive: clear. Liner: white. Carrier: clear.

9.2 Important health, safety and environmental information

- pH value: not defined (solid product)
- Boiling point: not defined (solid product)
- Flashpoint: not defined (solid product)
- Decomposition temperature: not defined (solid product)
- Auto-ignition temperature: not defined (solid product)
- Relative density: adhesive $1.00 \pm 0.10 \text{ gr./cm}^3$
- liner $1.03 \pm 0.10 \text{ gr./cm}^3$
- carrier $0.90 \pm 0.10 \text{ gr./cm}^3$
- Solubility in water: negligible
- Vapour density: very low; product is >99.82% solid, <0.18% solvent

10. Stability / reactivity

The product is stable under normal operating conditions.

11. Toxicological information

- Inhalation: Not determined
- Skin Contact: Not determined
- Cytotoxicity: Not determined
- Eye contact: Not determined
- Ingestion: Not determined
- Long term exposure: This material has been in use for many years with no evidence of adverse effects.

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-directions, the product is not subject for special markings (R-sentence, S-sentence, Vbf are not applicable).

16. Other information

None

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 Avery Dennison Performance Tapes.

(+ 86 512 5715 5001)