
1. Identification of the product and of the company

- 1.1. Product name: **FM 464**
- 1.2. Intended use: Pressure sensitive adhesive tape
- 1.3. Company: Avery Dennison België b.v.b.a.
Specialty Tape Division
Tieblokkenlaan 1
B- 2300 Turnhout / Belgium
- Contact person: Product Safety Co-ordinator
Telephone: +32 (0)14 40 48 11
E-mail: product.safety@eu.averydennison.com
- 1.4. Emergency telephone: +32 (0)14 40 48 11 (during normal office hours)

2. Hazard identification

This product is not considered to be dangerous to man and the environment according to Directive 1999/45/EC.

There is no evidence to suggest that this material constitutes adverse physicochemical, human health and environmental effects and symptoms during use and handling under normal safe working conditions.

3. Composition / information on ingredients

Double coated pressure sensitive adhesive tape.

- Adhesive consists of a combination of acrylate copolymer, crosslinker, and solvent.
- Carrier is a crosslinked, closed cell PE foam.
- Liner is PE protected paper.

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

7.1. 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

7.2. Storage: Store under dry conditions, out of direct sunlight and at temperatures below 30°C.

7.3. Specific uses: Pressure sensitive adhesive tape

8. Exposure controls / personal protection

8.1. Exposure limit values: The product contains max 0.7% of residual solvents (weight percentage on total weight). Laboratory experiments on similar products have shown that exposure limits of the residual solvents are below the MAC (maximum allowable concentration).

Toluene CAS no. 108-88-3

The Maximum Allowable Concentration (MAC) for toluene is 150 mg/m³.

8.2. Exposure control:

8.2.1 Occupational exposure controls

Ensure sufficient ventilation.

Respiratory protection: Protective mask is not necessary in a normal ventilated work area.

Hand protection: Gloves are only necessary to protect hands from sharp edges of some tapes.

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

Skin protection: Apply general measurements of normal hygiene.

8.2.2 Environmental exposure controls: No specific environmental exposure controls 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.
- Odour: slight smell
- Colour: Adhesive: clear. Liner: brown. Carrier: black.

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 1.0 ± 0.1 gr./cm³
liner 0.94 ± 0.1 gr./cm³
carrier 0.143 gr./cm³
- Solubility in water: negligible
- Vapour density: very low; product is >99.3% solid, <0.7% solvent

10. Stability and 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: Not determined

12. Ecological information

- 12.1. Ecotoxicity: Not determined
- 12.2. Mobility: Not applicable
- 12.3. Persistence and degradability: Product is not fully biodegradable. Parts of the product will slowly degrade under exposure to UV-light.
- 12.4. Bioaccumulative potential: Not applicable
- 12.5. Results of PBT assessment: Not determined
- 12.6. Other adverse effects: 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

Product labeling according to Directive 1999/45/EC: None
Other provisions in relation to protection of man or the environment at Community level:
Restrictions and authorization according to Regulation (EC) 1907/2006: None
Vbf: Not applicable

16. Other information

None

Revision: 08/09/2008
Previous version: 05/02/2007

**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 Specialty Tape Division, Europe.**

(Tel. +32 (0)14 40 48 11)