

## Material Safety Data Sheet

**Product name: FM 464**

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### 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.  
Performance Tapes  
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.

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

- 3.1. Product Composition: Double coated tape
- Adhesive is a solvent based modified acrylic adhesive.
  - Carrier is a crosslinked closed cell polyethylene foam.
  - Liner is a polyethylene 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: For quality reasons store under dry conditions, out of direct sunlight and at temperatures below 30°C.

7.3. Specific uses: See 1.2 Intended Use

## 8. Exposure controls / personal protection

### 8.1. Exposure limit values:

The product may contain residual solvent.

Toluene (CAS nr. 108-88-3)

European OEL-8h: 192 mg/m<sup>3</sup> or 50 ppm (skin)

European OEL-15min: 384 mg/m<sup>3</sup> or 100 ppm (skin)

### 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. Carrier: black Liner: brown

### 9.2 Important health, safety and environmental information

- pH value: not applicable (solid product)
- Boiling point: not applicable (solid product)
- Flashpoint: not applicable (solid product)
- Decomposition temperature: not applicable (solid product)
- Auto-ignition temperature: not applicable (solid product)
- Relative density: adhesive 1.0 ± 0.1 gr./cm<sup>3</sup>
- Solubility in water: not soluble in water
- Vapour density: not applicable (solid product)

## 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: 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.

### **15. Regulatory information**

Product labeling according to Regulation CLP 1272/2008: Not applicable

Other provisions in relation to protection of man or the environment at Community level:

EU Regulation (EC) 1907/2006 REACH

- Restrictions and authorization according to REACH:  
The adhesive in this product may contain residual toluene. Purchasers should independently determine prior to use the suitability of the product for their specific application.
- Avery Dennison Performance Tapes is pursuing products that are free of Substances of Very High Concern. Avery Dennison Performance Tapes did not use or intentionally added Candidate List Substances to this product.

EU Directive 2011/65/EC Restrictions of Hazardous substances (RoHS) in electrical and electronic equipment

Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE) and Decabromo diphenyl ether (decaBDE) are not used or intentionally added to this product.

Natural rubber or latex are not used or intentionally added to this product.

### **16. Other information**

None

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Changes: change of template

**The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This document is furnished for product information. This product is exempt from article 31 of the REACH Regulation (EC) 1907/2006.**

**For further information, please consult Avery Dennison Performance Tapes, Europe.**

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