

Safe Handling of Stamping Foil

1. Scope

Stamping foils coated on PET film by Kortho Coding & Marking - Holland.

2. Status under REACH

Not classified as hazardous. The REACH regulation (1907/ 2006) does not require an EU safety data sheet or other communication in the supply chain concerning substances of very high concern (SVHC) (ECHA candidate list as of 25/06/20). As stamping foil is an “article” under REACH, rather than a “substance” or “preparation”, this document is not a “safety data sheet” as defined in the regulation.

3. Product Description

Single or multilayer coatings applied to a PET base film.

Polyester (PET) base film material: polyethylene terephthalate made from ethylene glycol and dimethyl terephthalate.

4. Composition/Information on the Components

Please refer to current regulatory compliance document.

5. Hazard Identification

Under normal process it is not considered hazardous. In the case of fire, carbon dioxide or foam type extinguishers are effective, and water is an alternative.

Unwinding, winding and passage of polyethylene terephthalate film through and over rollers will tend to generate a strong electrostatic charge on the web. Static discharge devices should be properly positioned at such points to eliminate the charge and to prevent uncontrolled discharge from the web. This is particularly important to protect personnel from the effect of a static discharge and to prevent sparks in potentially explosive atmospheres.

6. First Aid Measures

First Aid treatment for handling accidents should be available.

7. Fire Fighting Measures

In the case of fire carbon dioxide or foam type extinguishers are effective, and water is an alternative. The PET film is basically not inflammable/explosive unless over flash ignition temperature of 497°C. PET film will burn if exposed to flame, giving off harmful fumes which should not be inhaled.

8. Dealing with molten film

If the film could be subjected to conditions releasing acetaldehyde, then adequate ventilation should be used to stay below the exposure limit. Skin contact with molten film causes burns (due to the heat). Appropriate clothing and heat resistant gloves can be used as protection. If contact occurs accidentally, cool quickly with cold water and have the burn treated by a physician.

9. Accident Release Measures

Not applicable.

10. Handling and Storage

Handlers are advised to wear personal protective equipment especially gloves to avoid the sharp edge of the material, this should be outlined in the operational risk assessment of the user. Storage of material should take into account the risk of fire.

11. Exposure controls/personal protection

Skin and eye contact: chemically there are no harmful effects under normal handling, but physically may cause injuries: cuts and manual handling injuries.

12. Stability and reactivity

No hazardous reactions are known.

13. Disposal

In general stamping foil products are safe to incinerate.

14. Transport Information

Handlers are advised to wear safety gloves to avoid cuts from the sharp edge of the film over 10 micron thickness. Manual handling assessments should also be carried out to ensure safe handling.

15. Notice

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