Is hot melt adhesive film toxic?

Detail Introduction :

Hot melt adhesive film is a relatively new adhesive product. Many industry material developers are the first
hear that people are more concerned about environmental issues for the adhesive industry. Whether hot m
adhesive film is toxic will also be raised. So, is hot melt adhesive film toxic or not?

Hot melt adhesive film is an efficient, environmentally friendly, and clean adhesive product. It is not toxic. I
mainly on the material and the way it is applied.

Hot melt film is composed of polymers non-solvent-based adhesives in terms of material. A big reason why
traditional adhesives are considered toxic is that they rely on solvents to wet the surface of the adhesive, w
used to disperse the solid components of the adhesive and to wet the surface of the adhesive. Solvent con
are generally low-molecular volatile substances. More common is xylene. Therefore, it can be harmful to th
body.

Hot melt adhesive film is a non-solvent adhesive, so its solid content is 100%, so how does it wet the objec
surface? As we all know, hot melt adhesive film is bonded by hot melt. After heating, it will melt into a liquid
it does not need any solvent to assist wetting, there is no problem of solvent volatilization, so it is not harm
human body.

And as the solid material of the macromolecular polymer itself is also non-toxic, these substances are gen
ethylene - ethyl acetate copolymer, thermoplastic polyurethane, polyamide, polyester, polyethylene, polypr
etc... These are all plastic products that we routinely use daily, only differing in their molecular chain struct
applied to adhesive products.

Hot melt adhesive film is a more environmentally friendly product than spray adhesive. Because spray adh
are generally solvent-based adhesive products, they disperse large amounts of solvents in the air during th
spraying process, which can be inhaled by workers and seriously endanger their health. However, hot melt
adhesive film products do not have such problems and present a solid-state throughout the operation, whic
reduces the harm to workers in many large area laminating places, just like pressing and ironing clotheslin
Therefore, hot melt adhesive film is advocated as an environmentally friendly adhesive product and is bou
make great strides.

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