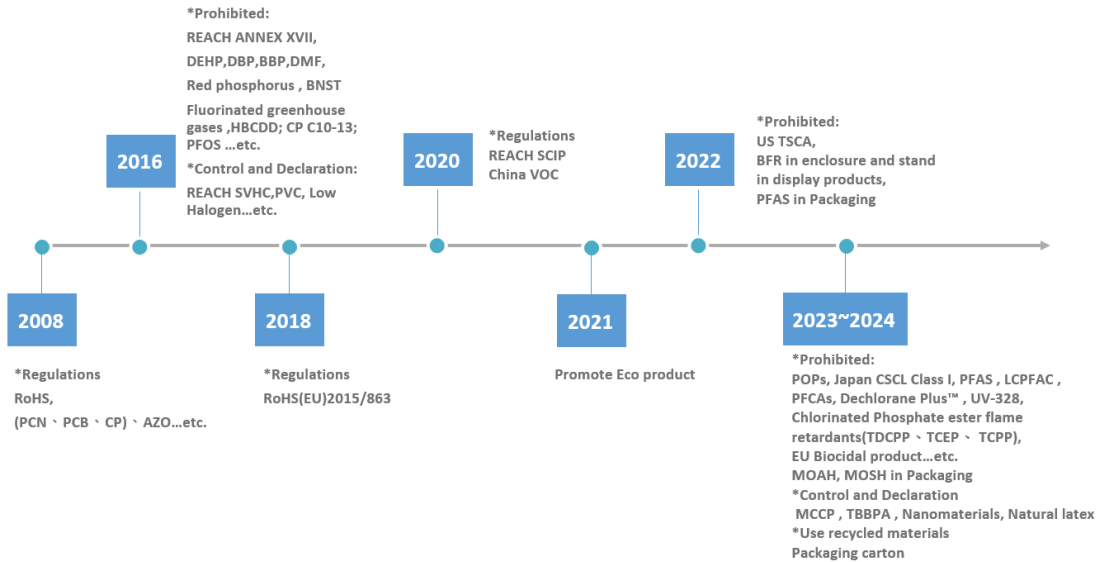


## 研華綠色政策-有害物質削減計畫



### 有害物質管理範圍

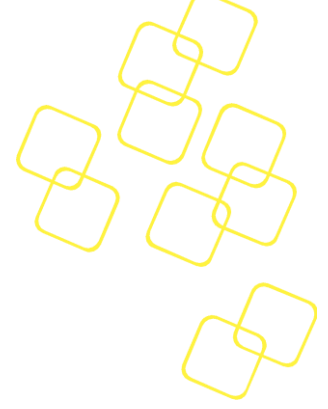
為因應全球環保法令之要求，特訂定研華 GPM 監管物質標準以達到(1)防止產品混入有害物質、(2)遵守法令(3)保護地球環境以及(4)減輕對生態系統影響的目的。研華以及研華委託設計、製造的產品所包含的部件、材料及其他物品(例如: 輔耗材等)。這些必須符合研華 GPM 監管物質標準中規定的標準。

### \*年度績效重點及成果

#### 削減鹵素阻燃劑的使用 研華低鹵管制時程計畫

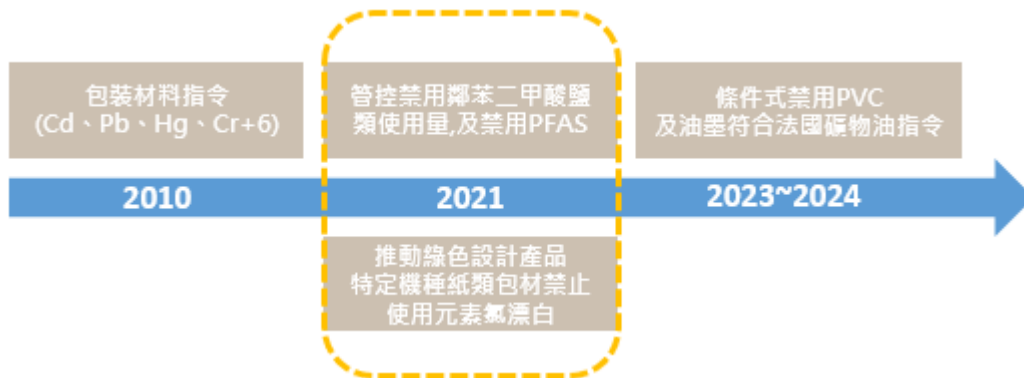
研華持續關注於塑膠污染議題，產品外觀結構塑膠件採用對環境危害較低的阻燃劑，來提升材料再循環使用的可行性並在推動過程中我們需同時兼顧品質及成本。在 2021~2023 年出貨產品符合「研華低鹵管制」之機構塑膠件占比為 87 %。



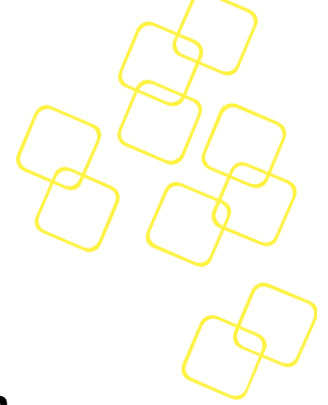


## 包裝材料有害物質管理

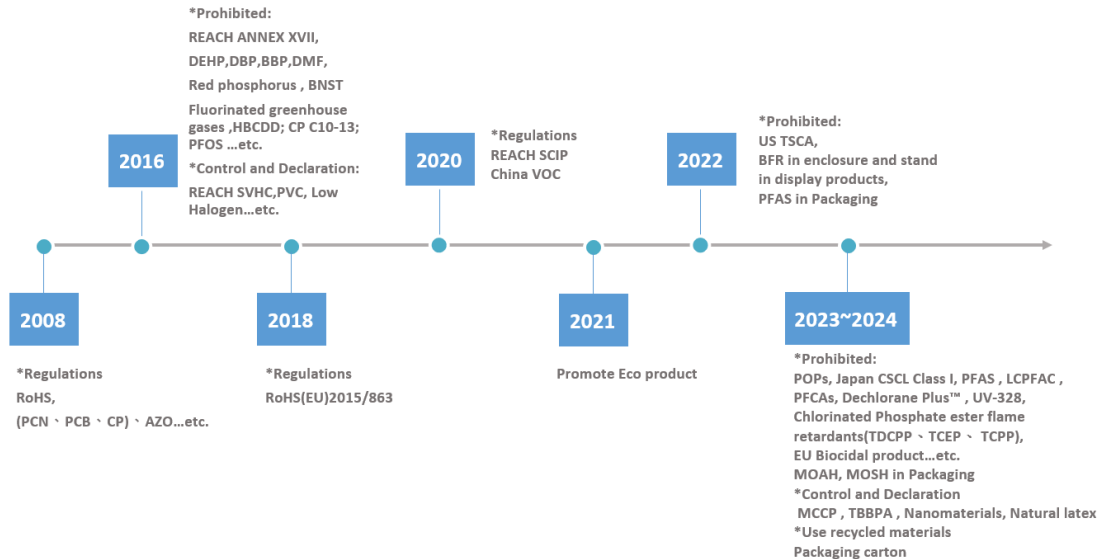
除了符合歐盟包材與包材廢棄物指令(Directive of Packaging and Packaging Waste 94/62/EC) 及因應各國包裝材料標準，更嚴格管理與人體接觸的包裝材料，選用低危害因子的材料。在 2023 年出貨產品符合「PFAS 及法國礦物油指令」之零件占比為 100%。另外除法規禁止的有害物質外，研華也禁止使用以 PVC 為原料的包材。



備註: 有害物質管理細節請參考 [D-01-A018 研華 GPM 監管物質標準](#)



# Advantech Green Policy Hazardous Substances Reduction Plan



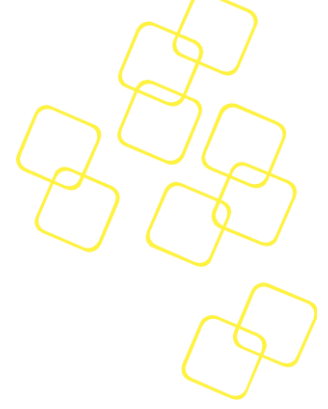
## Scope of Hazardous Substance Management

In response to global environmental regulations, Advantech has established the GPM (Green Product Management) Substances Standard to achieve the following objectives: (1) prevention of products containing hazardous substances, (2) compliance with regulations, (3) protection of the Earth's environment, and (4) mitigation of impacts on ecosystems. This standard applies to components, materials, and other items included in products designed and manufactured by Advantech or commissioned by Advantech (e.g., consumables). These must adhere to the standards specified in Advantech's GPM Regulated Substances Standard.

### \*Annual Performance Focus and Achievements

#### Reducing the Use of Halogenated Flame Retardants: Advantech Low-Halogen Control Schedule Plan

Advantech remains committed to addressing plastic pollution concerns. Our approach involves utilizing flame retardants with lower environmental impact in the external structural plastic components of our products. This initiative aims to enhance the feasibility of material recycling while ensuring quality and cost considerations are met during the implementation process. From 2021 to 2023, approximately 87% of the shipped products complied with the "Advantech Low-Halogen Control" criteria for institutional plastic components.



### Hazardous Substance Management in Packaging Materials

In addition to complying with the EU Packaging and Packaging Waste Directive 94/62/EC and corresponding packaging material standards in various countries, we rigorously manage packaging materials that come into contact with humans by selecting materials with low hazard factors. In 2023, 100% of the shipped products complied with the "PFAS and French Mineral Oil Directive" for components. Furthermore, aside from substances prohibited by regulations, Advantech also prohibits the use of packaging materials made from PVC.

Note: For details on hazardous substance management, please refer to [D-01-A018 Advantech GPM Regulated Substance Standard](#)