



## **Risk evaluation procedure of exposure to hazardous substances in products**

### **I. Introduction**

AUO is based on its sustainable environmental responsibility that establish risk evaluation procedure of exposure to hazardous substances in products and disclose evaluation process and results to stakeholders for reference.

### **II. Product Risk Identify tool**

AUO refers to the ICCA Guidance on Chemical Risk Assessment and conducts effective risk assessments on its products based on hazardous identification, hazard characterization, exposure assessment, and risk characterization.

### **III. Exposure hazardous substances of product risk identify procedure**

#### **1. Selection of hazardous substances for risk evaluation**

The selection of hazardous substances could be selected in the remove or reduce list that came from international regulations, environmental trends and customer requirements.

#### **2. Collect hazardous substances information**

(1) Chemical information › Search chemical and apply information, GHS classification and labeling, physical and chemical properties, and environmental impacts.

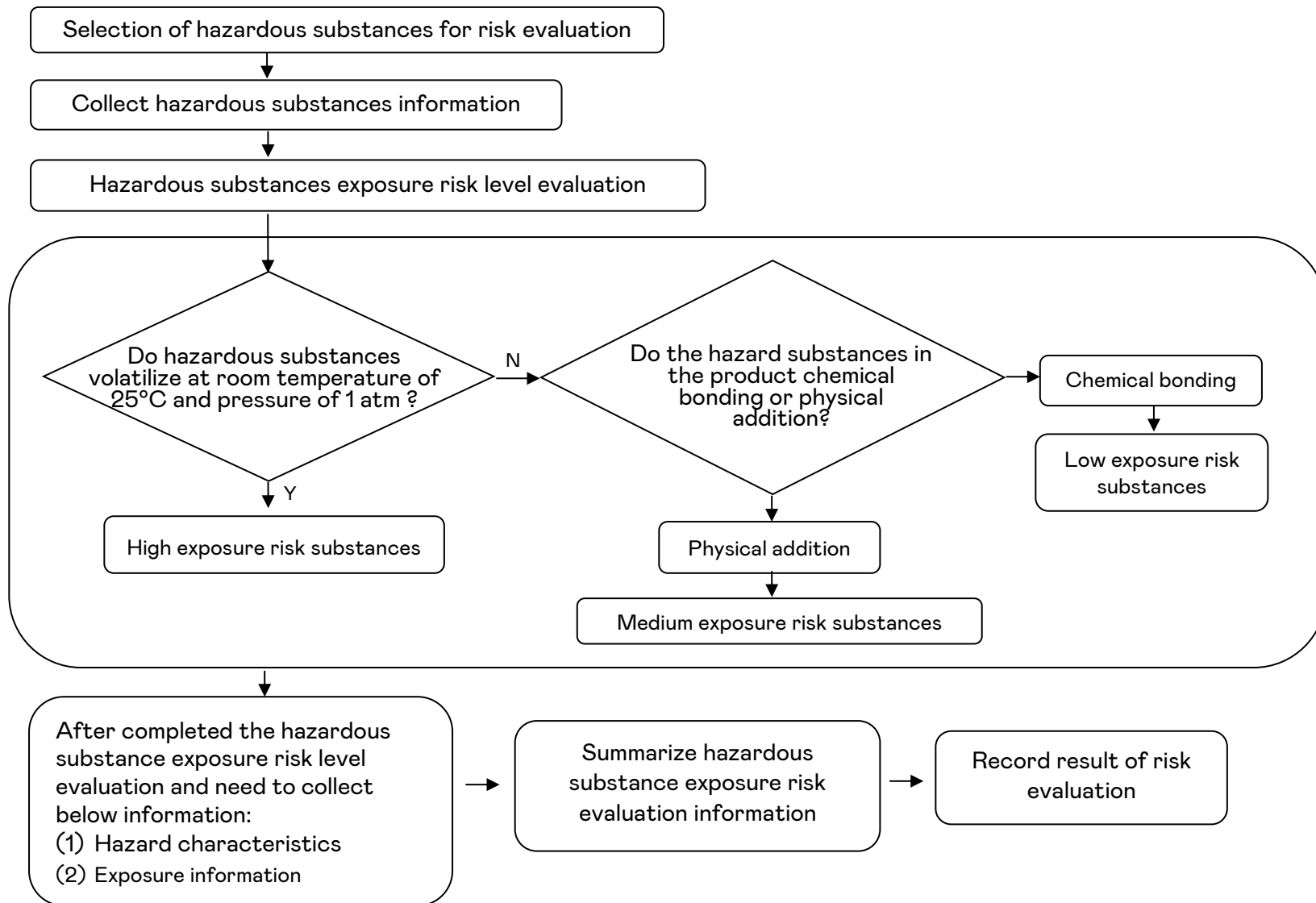
(2) Hazard information › Search health hazard information, environmental hazard information, physical



and chemical hazard information, etc.

(3) Exposure information , Search exposure categories for different uses of hazardous substances.

### 3. Hazardous substances exposure risk level evaluation





4. After completed the hazardous substance exposure risk level evaluation and need to collect below information. When the risk level is higher that need to collect a lot of serious hazard and exposure information to ensure that all relevant risk factors have been fully considered.
5. Summarize hazardous substance exposure risk evaluation information.
  - (1) Summarize the hazardous substances exposure risk evaluation information according to the description in step 2 to 4.
  - (2) Analyze data base of GPARS platform and calculate product list contain this hazardous substance.
  - (3) Provide product list that contain hazardous substances to the finance department to calculate the percentage of revenue share of hazardous substance in products.
6. Record the result of risk evaluation of exposure to hazardous substances in products in Appendix A: Result of Risk Evaluation of Exposure to Hazardous Substances in Products form.

## Appendix A

### Result of Risk Evaluation of Exposure to Hazardous Substances in Products

- I. Hazardous substances for risk evaluation: UV-328
- II. Source of substance selection: Stockholm Convention
- III. Description of substance: The Stockholm Convention regulation restricts a total of 37 substances. After verification of materials, AUO's products contains UV-328 that is under the Stockholm Convention substances. Therefore, we selects UV-328 for hazardous substances exposure risk identification in products.
- IV. Percentage of revenue share of UV-328 substance in products: 0.24%.
- V. According to the risk assessment result that UV-328 is in medium risk level, the percentage of revenue share of medium risk level substance in products: 0.24%

#### 1. General Statement

2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol(UV-328)

#### 2. Chemical identity

CAS number: 25973-55-1

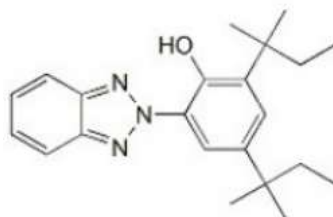
EC number: 247-384-8

Name: 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol;

2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol

Formula: C<sub>22</sub>H<sub>29</sub>N<sub>3</sub>O

Structure:





### 3. Uses and Benefits

UV-328 is a UV absorber, mainly used as a UV stabilizer to prevent materials from discoloring and degrading under UV radiation. It is widely used in plastics, coatings, paints, rubber, electronic products, as well as polarizers, outdoor furniture and other products.

### 4. Physical / chemical properties

Physical state: Solid. Powder	Colour: Yellowish	Flash point: 229 °C
Melting point: 81.3 °C	Solubility: < 1µg/L	Density: 1.17
Freezing point:-	Temperature: 20 °C	PH: 6.32~6.43

### 5. Health Effects

Long-term or repeated exposure to chemicals in this product may cause damage to organs.

### 6 Environmental Effects

Chemicals in this product may cause long-term harmful effects to aquatic life.

### 7. Exposure

The chemical substances in the product are non-volatile and do not come into direct contact with the human body, so there is no concern about exposure.

### 8. Risk Management Recommendations

Non-volatile substances that the medium priority assessment, it is medium exposure substances.

### 9. First-aid measures

Skin contact : No direct contact with human body	Inhalation : Non-volatile substances	Eye contact : No direct contact with human body
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### 10. Fire-fighting measures

Use dry powder chemicals, carbon dioxide or alcohol-resistant foam, and wear self-



contained breathing apparatus for firefighting if necessary.

#### **11. Accidental release measures**

Personal precautions, protective equipment and emergency procedures:

Non-volatile substances, no direct contact with the human body, no need for special protective equipment

Environmental precautions:

Prevent further spillage or leakage of chemicals in the product while ensuring safety, and avoid release into the environment

Cleaning method:

Collect and arrange for disposal, store waste products in an appropriate environment, and dispose of them in accordance with relevant laws and regulations

#### **12. Disposal consideration**

Products must be properly sorted for recycling

#### **13. Handling and storage**

The chemical substances in the product are encapsulated inside the product and will not volatilize or come into direct contact with the human body. There is no danger under normal use.

#### **14. State Agency Review**

European Chemicals Agency(SVHC)

Toxic Substances Control Act (TSCA)

Stockholm Convention Annex A List of Substances

#### **15. Classification and Labeling**



#### **16. Contact Information within company**

AUO Corporation

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<b>17. Date</b>
2025/8/7